



arslanlı

Innovations for Life

# STRENGTH BEHIND CONSTRUCTION



arkim



aracı



artherm



arcalcite



arselans







## Our mission

It is to add value, clearly and continuously, to our customers, employees, society and environment through our competence, agility and organizational efficiency. Our basic target is to meet and exceed our customers' needs and expectations. Establishing open communication with our stakeholders we have identified on the basis of the principle of transparency, abiding by the laws and legal regulations strictly as well as applying them smoothly, and making contributions to our society, natural life and the human-oriented system while proceeding towards our mission constitute the cornerstones of our mission.

## Master at construction...

Having institutionalized its over 100 years of experience and accumulation in construction, mining, industry and manufacturing sectors with Arslanli A.Ş in the year 2005, our company's first gift to our sector was the Aralçi brand. Having started of with a great excitement and care with the Aralçi brand, Arslanli A.Ş has advanced on its way by adding the Arkim brand into its product range in the year 2007. Thus, Arslanli A.Ş, which had entered the plaster sector with Aralçi, has entered the building chemicals sector successfully in a short span of time with the Arkim brand. Through the sound steps it has taken to meet the needs of the sector and consumers, Arslanli A.Ş has become the follower and setter of the criteria required to meet for sectoral leadership. With the works done, Arslanli A.Ş has come to an important point in domestic and foreign building chemicals markets thanks to its Arkim brand. Focused on the achievement of high customer satisfaction, Arslanli A.Ş plans and implements all its targets with this approach. Having targeted leadership of the building chemicals sector for Arkim brand, Arslanli A.Ş has achieved this target through its advances and works in the year 2014. Offering a larger product range in the year 2015, Arslanli A.Ş has enhanced its effectiveness and availability in the market by producing also new products through R&D efforts. As Arslanli A.Ş, our another important breakthrough was the launch of our new brands Artherm and Arseal in 2010, which provide solutions in the water and heat insulations area the importance of which is being

## Our Vision

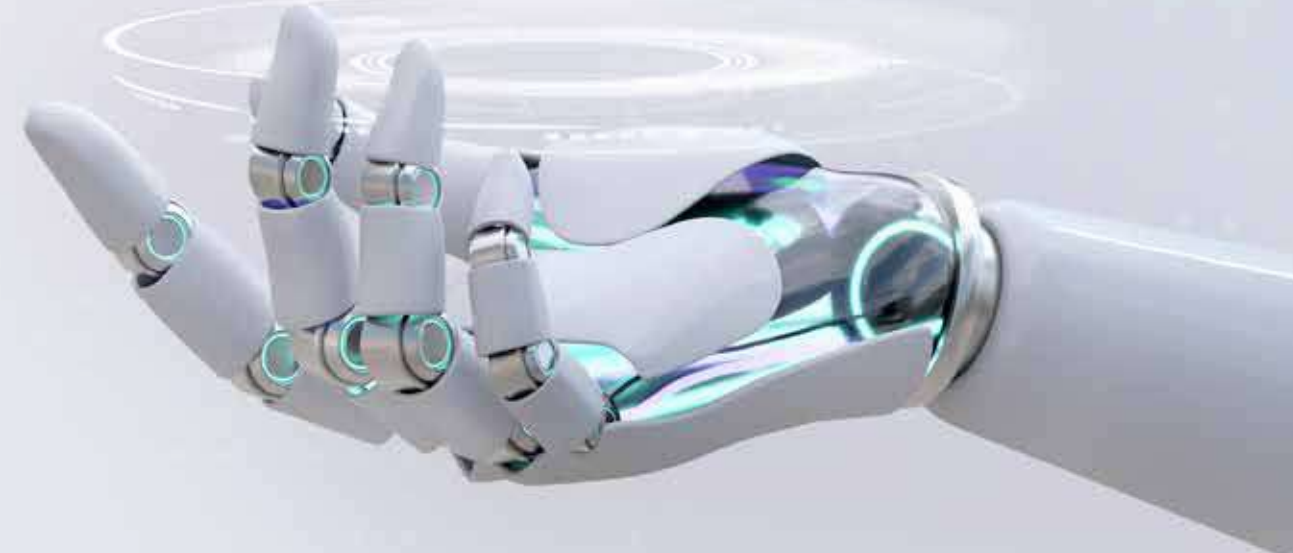
High labor quality in all its competitive products, affordable and steady price policy, on-time delivery in logistics and distribution, high stakeholder satisfaction after the sales, integrating the purpose of being a reliable brand in the sector in a holistic manner together with the 3rd parties with a live brand perception, and especially a locally, nationally and globally strong and recognized brand identity represent basic vision of Arslanli A.S.

recognized by more and more people in our country and the world. With Arseal and Artherm brands, we target to carry out important works in relation to energy saving that is one of the important problems of Turkey as well as the other countries of the world. In order to raise our customers' awareness on the necessity of the energy saving in our country, we have taken correct positioning of our valuable dealers, who are our solution partners, as a goal. Arslanli A.Ş, which entered the painting sector - the sine qua non of the construction sector - with the Arselans brand in the first quarter of the year 2015, continues to meet the requirements of its own motto: "Master at construction". We know and believe that it is possible to create a healthier country and a healthier world starting with healthier buildings. As Arslanli A.Ş, we accelerate our speed and cover great distances in meeting of the needs of market through our steady work. Providing its customers in 23 more countries in addition to Turkey with almost perfect service, Arslanli A.Ş feels the confidence of advancing with this steadiness. We thank our workmates who have contributed to our success since the first day we developed and renewed our product range as per the needs of the sector, our dealers and our masters who energize our sector, and our customers who prefer our products. We are proud of being the solution address of the "innovations for life" approach that is the common slogan for numerous values constituting our dynamics.

Veysi Akin KOLOĞLU / Chairman of the Board



*In the future too  
master in building...*



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France	Nigeria	United Kingdom
Gabon	Qatar	
Georgia	Romania	





## 01

## ADHESIVES

ARKIM ARFIX 1111-1122	14
ARKIM ARFIX PLUS 1133-1144	15
ARKIM ARFIX PLUS SET 1155	16
ARKIM ARFIX POOL 1166-1177	17
ARKIM ARFIX POOL FLEX 1168-1178	18
ARKIM ARFIX FLEX 1511-1522	19
ARKIM ARFIX FLEX PLUS 1533-1544	20
ARKIM ARFIX RAPID 1188-1199	21
ARKIM ARGRANIT 1211-1212	22
ARKIM ARGRANIT PLUS 1222-1233	23
ARKIM ARBLOCK 1311	24
ARKIM ARBLOCK WALLBLOCK 1322	25
ARFIX & ARBLOCK & WALLBLOCK CONSUMPTION TABLE	26

## 02

## JOINT FILLERS

ARKIM ARFILL 2111	30
ARKIM ARFILL FLEX 2211	31
JOINT FILLERS COLOR CHART	32
JOINT FILLERS CONSUMPTION TABLE	33

## 03

## WATER INSULATION

ARKIM ARSEAL TECH 3233	36
ARKIM ARSEAL SET 3311	37
ARKIM ARSEAL SET PLUS 3322	38
ARKIM ARSEAL CRYSTAL 3244	39
ARKIM ARSEAL ACRYLIC Q2 3111	40
ARKIM ARSEAL ACRYLIC Q3 3111	41
ARKIM ARSEAL ACRYLIC UV Q1 3122	42

## 04

## CONCRETE RANGE

ARKIM ARLATEX 4111	48
--------------------	----

## 05

## SURFACE PREPARATION

ARKIM ARREPAIR THIN 5111	52
ARKIM ARREPAIR THICK 5122	53
ARKIM ARREPAIR GROUT 5411	54
ARKIM ARKONTAK 5211	55

## 06

## PAINT

ARSELANS CEILING PAINT 6020	58
ARSELANS CEILING PLUS PAINT 6030	59
ARSELANS PLASTIC INTERIOR WALL PAINT 6520	60
ARSELANS SILICONE INTERIOR WALL PAINT 6530	61
ARSELANS SILICONE INTERIOR WALL PAINT 6540	62
ARSELANS SILICONE SEMI GLOSS INTERIOR WALL PAINT 6550	63
ARSELANS GOLD FOIL PAINT 6610	64
ARSELANS MOTHER OF PEARL PAINT 6620	65
ARSELANS SILITECH 6130	66
ARSELANS AKRITECH 6120	67
ARSELANS SILITECH WITH GREN 6220	68
ARSELANS SILITECH PURE ACRYLIC 6140	69
ARSELANS ARASTAR 5311	70
ARSELANS İZOASTAR 5322	71
ARSELANS İZOASTAR READY 5333	72
ARSELANS ACYLIC PUTTY 6710	73
ARSELANS SOLVENT FREE EPOXY PRIMER 6810	74
ARSELANS SOLVENT BASED EPOXY PAINT 6840	75
ARSELANS SOLVENT FREE EPOXY PAINT 6860	76
ARSELANS RAPID PAINT 6910	77
ARSELANS ROAD MARKING PAINT 6990	78

## 07

## PLASTER RANGE

ARKIM ARPLAST HAND 7111-7122	82
ARKIM ARPLAST MAK 7111-7122	83
ARKIM ARPLAST SATIN 7311	84
ARKIM ARTHERM AD 7211	85
ARKIM ARTHERM AD READY 7212	86
ARKIM ARPLAST LF 7222	87
ARKIM ARDEKOMIN THICK 7411	88
ARKIM ARDEKOMIN THIN 7422	89
ARKIM ARDEKOMIN LINE PATTERNED 7444	90

## 08

## FLOOR SYSTEMS

ARKIM ARFLOOR SL 8111	94
ARKIM ARFLOOR SL-20 8122	95
ARKIM ARFLOOR QUARTZ 8211	96

## 09

## ARALÇI GYPSUM RANGE

ARALÇI PERLITE GYPSUM 9111	100
ARALÇI MACHINE GYPSUM 9211	101
ARALÇI ARMORE CONCENTRATE MACHINE GYPSUM 9222	102
ARALÇI SATIN FINISHING COAT GYPSUM 9311	103
ARALÇI MOULDING PLASTER 9411	104
ARALÇI PLASTERBOARD ADHESIVE GYPSUM 9611	105
ARALÇI PLASTERBOARD GROUTING PLASTER 9511	106
ARALÇI REPAIR CONSTRUCTION GYPSUM 9711	107
ARALÇI CORNER PROFILE OF GYPSUM	108

## 10

## ARGIPS GYPSUM RANGE

ARGIPS PERLITE GYPSUM 9122	112
ARGIPS MACHINE GYPSUM 9222	113
ARGIPS SATIN FINISHING COAT GYPSUM 9322	114
ARGIPS PLASTER OF PARIS 9422	115
ARGIPS PLASTERBOARD JOINT FILLER PLASTER 9522	116
ARGIPS PLASTERBOARD ADHESIVE GYPSUM 9622	117

## 11

## ARTHERM THERMAL INSULATION BOARD

THERMAL INSULATION BOARD	120
ARTHERM ARPLATE	121
ARTHERM AREPS WHITE	122
ARTHERM AREPS CARBON	123
ARTHERM ARTHERM ROCKWOOL	124
OTHER SYSTEM COMPONENTS	125
APPLICATION OF SYSTEM COMPONENTS	126
ARKIM ARTHERM AD 7211	127
ARKIM ARTHERM AD READY 7212	128
ARKIM ARPLAST LF 7222	129
ARKIM ARDEKOMIN THICK 7411	130
ARKIM ARDEKOMIN THIN 7422	131
ARKIM ARDEKOMIN LINE PATTERNED 7444	132
ARSELANS SILITECH 6130	133
ARSELANS AKRITECH 6120	134
ARSELANS ARASTAR 5311	135
APPLYING SYSTEM COMPONENTS	137
ARBLOCK THERMAL	143
ARBLOCK SOUND	154
ARKIM ARBLOCK WALLBLOCK 1322	161
ARKIM WALLBLOCK CONSUMPTION TABLE	162
ARKIM ARREPAIR THICK 5122	163

## 12

## NIVAKIM

NIVAKIM NİVAFİX 1025-1030	166
NIVAKIM NİVAFİX PLUS 1010-1020	167
NIVAKIM NİVAFİX FLEX 1035-1045	168
NIVAKIM NİVAFİLL 1100	169
NIVAKIM NİVAPLAST LF 1050	170
NIVAKIM SATIN 1095	171
NIVAKIM NİVATHERM AD 1075	172
NIVAKIM NİVADEKOMİN THICK 1060	173
NIVAKIM NİVADEKOMİN THIN 1070	174
NIVAKIM NİVADEKOMİN LINE PATTERNED 1065	175
NİTRON FIX 50	176
NIVATHERM EPS WHITE	178
NIVATHERM EPS CARBON	179

## 13

## NIVAGIPS GYPSUM RANGE

NIVAGIPS PERLITE GYPSUM 9133	182
NIVAGIPS MACHINE GYPSUM 9233	183
NIVAGIPS SATIN FINISHING COAT GYPSUM 9333	184
NIVAGIPS PLASTER OF PARIS 9433	185
NIVAGIPS PLASTERBOARD JOINT FILLER PLASTER 9533	186
NIVAGIPS PLASTERBOARD ADHESIVE GYPSUM 9633	187





Arkim **ARFIX**

Arkim **ARFIX PLUS**

Arkim **ARFIX SET**

Arkim **ARFIX POOL**

Arkim **ARFIX POOL FLEX**

Arkim **ARFIX FLEX**

Arkim **ARFIX FLEX PLUS**

Arkim **ARFIX RAPID**

Arkim **ARGRANIT**

Arkim **ARGRANIT PLUS**

Arkim **ARBLOCK**

Arkim **ARBLOCK WALLBLOCK**

**ARFIX & ARBLOCK & WALLBLOCK**

**CONSUMPTION TABLE**





## Arkim ARFIX 1111-1122

**Definition:**

Cement-based, normal hardening, ceramic adhesive mortar

**Area of application**

-It is used in indoor and outdoor horizontal and vertical applications of the coating materials such as small and medium-sized floor and wall ceramics, tiles, natural stone and glass mosaic, travertine, decorative furring bricks on the surfaces like concrete, plaster, screed especially in wet areas such as bathroom and kitchen. -It is used to stick tiles to tiles or ceramics to ceramics.

**Application features**

-Using period: Max. 5 hours  
-Workable period: Min.30 minutes  
-Readjusting period: Max. 15 minutes  
-Time to apply joint: 24 hours for walls, 48 hours for floors.

**Surface preparation**

-ARKIM ARFIX application surfaces must be cleared of dust, dirt, oil, etc. that prevent adherence.  
-Any irregularities on the application surfaces, if any, are repaired with ARKIM ARREPAIR THIN or ARKIM ARREPAIR THICK.  
-It is necessary to make sure that the surface has

been cured and robust.

-If they are porous, the application surfaces must be dampened. It is necessary to make sure that the application surface is robust, self-supporting and level.

-Ambient temperature should be between +5°C and +35°C. -Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours. -Do not apply on surfaces under direct sun or strong wind, or hot surfaces. -It is necessary to pay attention to film formation on the surface of ARKIM ARFIX during application; in case of film formation, ARKIM ARFIX must be notched again.

**Warnings and advices**

-Strictly avoid adding foreign substances.  
-After the application, all tools used must be washed with water before letting them dry.

**Application tools**

Hand mixer, trowel, rubber hammer, notched steel trowel

**Application**

The container in which the mortar will be prepared must be clean and cleared of the remnants of the previous mixture.  
-It is necessary to pay attention to cleanliness of the water and materials used.

-The mortar must be prepared by using 6-6.5 liters of water and 25 kg of ARKIM ARFIX. -Firstly, water is poured into the container, and then the powder is added slowly; they are mixed until a homogeneous mixture is obtained.

-A low speed mixer must be used to obtain a homogeneous mixture.

-After a homogeneous mixture has been obtained, the mortar is left to mature for 5-10 minutes.

-Before starting the application, the mixture must be remixed for 1-2 minutes.

-After the mixture has become homogeneous, never add powder, water or another material.

-In order to obtain a better adherence surface, after the mortar has been spread on the surface with the flat side of the trowel, it must be notched with the notched side of the trowel selected to the tile dimensions (See Notch Size and Consumption Table).

-The tiles must be fixed to the notched mortar by applying force with rubber hammer within 20 minutes. This period may be shorter for the applications carried out under inappropriate conditions such as high temperature, low humidity, wind, etc.

-Nothing must be fixed to the mortar the using time of which is over, and the mortar must be scraped off the surface.

-The prepared mortar must be consumed within 5 hours. -

The caked mortar in the container or the mortar the using period of which is over must be discharged.

-Wash your hands and application tools with plenty of water after the application.

-Protect the tiles affixed with ARKIM ARFIX against direct water contact for no less than 24 hours.

**Storage conditions**

-It is necessary to take care not to put more than 10 Kraft bags on top of each other in storage. -This product must be stored in dry indoor areas away from direct sunlight.

-Bags must be stored so as not to contact with the ground in order them to be protected against humid.

-Under such conditions, the product can be stored for 12 months as of the production date.

-Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

## Arkim ARFIX PLUS 1133 - 1144

**Definition**

Cement-based, enhanced, high-performance ceramic adhesive mortar

**Area of application**

-It is used in indoor and outdoor horizontal and vertical applications of the coating materials such as small and medium-sized floor and wall ceramics, tiles, natural stone and glass mosaic, travertine, decorative furring bricks on the surfaces like concrete, plaster, screed especially in wet areas such as bathroom and kitchen. -It is used to stick tiles to tiles or ceramics to ceramics.

**Application features**

-Using period: Max. 5 hours  
-Workable period: min 30 minutes  
-Readjusting period: Max. 15 minutes  
-Time to apply joint: 24 hours for walls, 48 hours for floors

**Surface preparation**

-ARKIM ARFIX PLUS application surfaces must be cleared of dust, dirt, oil, etc. that prevent adherence.

-Any irregularities on the application surfaces, if any, are repaired with ARKIM ARREPAIR THIN or ARKIM ARREPAIR THICK.

-It is necessary to make sure that the surface has been cured and robust.

-If they are porous, the application surfaces must

be dampened.

-It is necessary to make sure that the application surface is robust, self-supporting and level.

**Application conditions**

Ambient temperature should be between +5 °C and +35°C  
-Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours.  
-Do not apply on surfaces under direct sun or strong wind, or hot surfaces.  
-It is necessary to pay attention to film formation on the surface of ARKIM ARFIX PLUS during application; in case of film formation, ARKIM ARFIX PLUS must be notched again.

**Warnings and advices**

-Strictly avoid adding foreign substances.  
-After the application, all tools used must be washed with water before letting them dry.

**Application tools**

Hand mixer, trowel, rubber hammer, notched steel trowel

**Application**

The container in which the mortar will be prepared must be clean and cleared of the remnants of the previous mixture.  
-It is necessary to pay attention to cleanliness of

the water and materials used.

-The grout must be prepared by using 7.5-8.5 liters of water and 25 kg of ARKIM ARFIX PLUS. -Firstly, water is poured into the container, and then the powder is added slowly; they are mixed until a homogeneous mixture is obtained.

-A low speed mixer must be used to obtain a homogeneous mixture.

-After a homogeneous mixture has been obtained, the mortar is left to mature for 5-10 minutes.

-Before starting the application, the mixture must be remixed for 1-2 minutes.

-After the mixture has become homogeneous, never add powder, water or another material. -In order to obtain a better adherence surface, after the mortar has been spread on the surface with the flat side of the trowel, it must be notched with the notched side of the trowel selected to the tile dimensions (see Notch Size and Consumption Table).

-The tiles must be fixed to the notched mortar by applying force with rubber hammer within 20 minutes. This period may be shorter for the applications carried out under inappropriate conditions such as high temperature, low humidity, wind, etc.

-Nothing must be fixed to the mortar the using time of which is over, and the mortar must be scraped off the surface.

-The prepared mortar must be consumed within 5 hours. -

The caked mortar in the container or the mortar the using period of which is over must be discharged.

-Wash your hands and application tools with plenty of water after the application. -Protect the tiles affixed with ARKIM ARFIX PLUS against direct water contact for no less than 24 hours.

**Storage conditions**

-It is necessary to take care not to put more than 10 Kraft bags on top of each other in storage.

-This product must be stored in dry indoor areas away from direct sunlight.

-Bags must be stored so as not to contact with the ground in order them to be protected against humid.

-Under such conditions, the product can be stored for 12 months as of the production date.

-Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

**General Information**

Physical form	Gray-white, powder
Shelf life	See storage conditions
Packaging	25 kg kraft bag 1 and 5 kg polyethylene bags Pallet: 64 pieces of 1600 kg in total

**Application features**

Application temperature	Between +5 °C and +35°C
Mixture ratio	6-6,5 L water/25 kg
Using period max	5 hours
Workable period (floors) min	30 minutes
Readjusting period(floors) min.	15 minutes
Time to apply joint	24 hours for walls - 48 hours for floors
Consumption	See Notched Trowel Size and Consumption Table

**Performance details**

Tensile/adhesion strength after keeping open (30 min.)	≥0,5 N/mm²
Initial tensile/adhesion strengthti	≥0,5 N/mm²
Tensile/adhesion strength after water submersion	≥0,5 N/mm²
Tensile/adhesion strength after thermal aging	≥0,5 N/mm²
Tensile/adhesion strength after freeze-thaw cycles	≥0,5 N/mm²
Shift	≤ 0,5 mm
Temperature resistance	(-30 °C) ile (+70°C)

Note: The application features have been determined in consequence of the tests conducted in laboratory environment (23 ± 2°C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients.

**Reference standards**

TS EN 12004-1  
Class: C1 TE (Cement-based, normal hardening, ceramic adhesive mortar)  
CE  
Ministry of Public Works Pos. No: 04.013/1

**General Information**

Physical form	Gray-white, powder
Shelf life	See storage conditions
Packaging	25 kg kraft bag Pallet: 64 pieces of 1600 kg in total

**Application features**

Application temperature	Between +5 °C and +35°C
Mixture ratio	7,5-8,5 L water/25 kg powder
Using period max	5 hours
Workable period(floors) min.	30 minutes
Readjusting period(floors) min.	15 minutes
Time to apply joint	24 hours for walls - 48 hours for floors
Consumption	See Notched Trowel Size and Consumption Table

**Performance details**

Tensile/adhesion strength after keeping open (30 min)	≥0,5 N/mm²
Initial tensile/adhesion strength	≥1 N/mm²
Tensile/adhesion strength after water submersion	≥1 N/mm²
Tensile/adhesion strength after thermal aging	≥1 N/mm²
Tensile/adhesion strength after freeze-thaw cycles	≥1 N/mm²
Shift	≤ 0,5 mm
Temperature resistance between	(-30 °C) ile (+70°C)

Note: The application features have been determined in consequence of the tests conducted in laboratory environment (23 ± 2°C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients.

**Reference Standards**

TS EN 12004-1  
Class: C2 TE(Enhanced high-performance, reduced slip, cementitious adhesive for ceramic)  
CE  
Ministry of Public Works Pos. No: 04.013/1



## Arkim ARFIX PLUS SET 1155

**Definition**

-Dual component, cement and acrylic based, high performance, very elastic adhesive mortar with less shift and prolonged working period.  
-Powder Component: Arkim Arfix Plus  
-Liquid Component: Very elastic emulsion acrylic based additive.

**Area of application**

It is used to fix coating materials such as ceramic, granite, marble securely on the building facade surfaces such as concrete, plaster, screed, etc. up to 30 m high. This product must not be used to fix coating materials on facades larger than 60 cm x 60 cm up to 15 m, or 40 cm x 40 cm up to 30 m. It is used to coat floor heating systems and plasterboards with ceramic. It is also used to coat old granite and marble surfaces with ceramic. It is used to apply ceramics on challenging surfaces like painted ones. It is used in spaces with sudden temperature changes, such as cold stores, quick freezing facilities, facades of kilns and furnaces, floor heating systems, etc. Finally, it is used in the places such as malls, business centers, hospitals, schools, etc. where there is heavy foot traffic.

**Surface preparation**

-ARKIM ARFIX PLUS SET application surfaces must be cleared of dust, dirt, oil, etc. that prevent adherence.  
-Any irregularities on the application surfaces, if any, are repaired with ARKIM ARREPAIR THIN or

**ARKIM ARREPAIR THICK.**

-It is necessary to make sure that the surface has been cured and robust.  
-If they are porous, the application surfaces must be dampened.  
-It is necessary to make sure that the application surface is robust, self-supporting and level.

**Application conditions**

-Ambient temperature should be between +5 °C and +35°C  
-Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours.  
-Do not apply on surfaces under direct sun or strong wind, or hot surfaces.  
-It is necessary to pay attention to film formation on the surface of ARKIM ARFIX PLUS SET during application; in case of film formation, ARKIM ARFIX PLUS SET must be notched again.

**Warnings and advices**

-Strictly avoid adding foreign substances.  
-After the application, all tools used must be washed with water before letting them dry.

**Application tools**

Hand mixer, trowel, rubber hammer, notched steel trowel

**Application**

-The container in which the mortar will be prepared must be clean and cleared of the remnants

of the previous mixture.

-It is necessary to pay attention to cleanliness of the water and materials used.  
-The mortar must be prepared at this ratio: 7 liters of liquid component ARKIM ARFIX SET PLUS B and 25 kg ARKIM ARFIX PLUS.  
-Firstly, the liquid component is poured into the container, and then the powder is added slowly; they are mixed until a homogeneous mixture is obtained.  
-A low speed mixer must be used to obtain a homogeneous mixture.  
-After a homogeneous mixture has been obtained, the mortar is left to mature for 5-10 minutes.

-Before starting the application, the mixture must be remixed for 1-2 minutes.  
-After the mixture has become homogeneous, never add powder, water or another material.  
-In order to obtain a better adherence surface, after the mortar has been spread on the surface with the flat side of the trowel, it must be notched with the notched side of the trowel selected to the tile dimensions (see Notch Size and Consumption Table).

-The tiles must be fixed to the notched mortar by applying force with rubber hammer within 20 minutes. This period may be shorter for the applications carried out under inappropriate conditions such as high temperature, low humidity, wind, etc.  
-Nothing must be fixed to the mortar the using time of which is over, and the mortar must be scraped off the surface.

-The prepared mortar must be consumed within 5 hours.  
-The caked mortar in the container or the mortar the using period of which is over must be discharged.  
-Wash your hands and application tools with plenty of water after the application.  
-Protect the tiles affixed with ARKIM ARFIX PLUS SET against direct water contact for no less than 24 hours.

**Storage conditions**

-It is necessary to take care not to put more than 10 Kraft bags on top of each other in storage. -This product must be stored in dry indoor areas away from direct sunlight.  
-Bags must be stored so as not to contact with the ground in order them to be protected against humid.  
-Under such conditions, the product can be stored for 12 months as of the production date.  
-The liquid component can be stored for 12 months in its original packaging in a dry and cool ambient with an ambient temperature between +5 °C and +35°C. -Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

## Arkim ARFIX POOL 1166 - 1177

**Definition**

Cement-based, enhanced, high-performance ceramic adhesive mortar providing water insulation.

**Area of application**

-It is used in indoor and outdoor horizontal and vertical applications of the coating materials such as small and medium-sized floor and wall ceramics, tiles, natural stone and glass mosaic, travertine, decorative furring bricks on the surfaces like concrete, plaster, screed especially in wet areas such as bathroom and kitchen.  
-The product is also used to coat old ceramic, granite and marble with ceramic or granite.  
-It is used in glass mosaic applications in wet areas such as pool, Turkish bath, spa, sauna, water tank.  
-It is used in spaces with sudden temperature changes, such as cold stores, quick-freezing facilities, floor heating systems, etc.  
-Finally, it is used in the places such as malls, business centers, hospitals, schools, etc. where there is heavy foot traffic.

**Application features**

-Using period: Max. 6 hours  
-Workable period: Max. 30 minutes  
-Readjusting period: Max. 15 minutes  
-Time to apply joint: 24 hours for walls, 48 hours for floors.

**Surface preparation**

-ARKIM ARFIX POOL application surfaces must

be cleared of dust, dirt, oil, etc. that prevent adherence.

-Any irregularities on the application surfaces, if any, are repaired with ARKIM ARREPAIR THIN or ARKIM ARREPAIR THICK.  
-It is necessary to make sure that the surface has been cured and robust.  
-If they are porous, the application surfaces must be dampened.  
-It is necessary to make sure that the application surface is robust, self-supporting and level.

**Application conditions**

-Ambient temperature should be between +5°C and +35 °C  
-Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours.  
-Do not apply on surfaces under direct sun or strong wind, or hot surfaces. -It is necessary to pay attention to film formation on the surface of ARKIM ARFIX POOL during application; in case of film formation, ARKIM ARFIX POOL must be notched again.

**Warnings and advices**

-Strictly avoid adding foreign substances.  
-After the application, all tools used must be washed with water before letting them dry.

**Application tools**

Hand mixer, trowel, rubber hammer, notched steel trowel

**Application**

-The container in which the mortar will be prepared must be clean and cleared of the remnants of the previous mixture.  
-It is necessary to pay attention to cleanliness of the water and materials used.  
-The grout must be prepared by using 7-8 liters of water and 25 kg of ARKIM ARFIX POOL.  
-Firstly, water is poured into the container, and then the powder is added slowly; they are mixed until a homogeneous mixture is obtained.  
-A low speed mixer must be used to obtain a homogeneous mixture.  
-After a homogeneous mixture has been obtained, the mortar is left to mature for 5-10 minutes.  
-Before starting the application, the mixture must be remixed for 1-2 minutes.  
-After the mixture has become homogeneous, never add powder, water or another material.  
-In order to obtain a better adherence surface, after the mortar has been spread on the surface with the flat side of the trowel, it must be notched with the notched side of the trowel selected to the tile dimensions (see Notch Size and Consumption Table).  
-The tiles must be fixed to the notched mortar by applying force with rubber hammer within 30 minutes. This period may be shorter for the applications carried out under inappropriate conditions such as high temperature, low humidity, wind, etc.  
-Nothing must be fixed to the mortar the using

time of which is over, and the mortar must be scraped off the surface.

-The prepared mortar must be consumed within 5 hours.  
-The caked mortar in the container or the mortar the using period of which is over must be discharged.  
-Wash your hands and application tools with plenty of water after the application.  
-Protect the tiles affixed with ARKIM ARFIX POOL against direct water contact for no less than 24 hours.

**Storage conditions**

-It is necessary to take care not to put more than 10 Kraft bags on top of each other in storage. -This product must be stored in dry indoor areas away from direct sunlight.  
-Bags must be stored so as not to contact with the ground in order them to be protected against humid.  
-Under such conditions, the product can be stored for 12 months as of the production date.  
-Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

General information	
Physical form	Gray, white powder and white liquid component
Shelf life	See storage conditions
Packaging	25 kg kraft bag 7 kg Plastic container Pallet 64 pieces of 1600 kg 80 pieces of 448 kg liquid component.
Application features	
Application temperature	Between +5° C and +35°C
Mixture ratio	7 kg L liquid component /25 kg powder
Using period max.	5 hours
Workable period(floors) min.	30 minutes
Readjusting period(floors) min.	15 minutes
Time to apply joint	24 hours for walls - 48 hours for floors Consumption See Notched Trowel Size and Consumption Table
Performance details	
Tensile/adhesion strength after keeping open(after no less than 20 min.)	≥1 N/mm²
Initial tensile/adhesion strength	≥1 N/mm²
Tensile/adhesion strength after water submersion	≥1 N/mm²
Tensile/adhesion strength after thermal aging	≥1 N/mm²
Tensile/adhesion strength after freeze-thaw cycles	≥1 N/mm²
Shift	≥1 N/mm² Flexibility ≥1 N/mm²
Temperature resistance	(-30 °C) ile (+70 °C) between
Note: The application features have been determined in consequence of the tests conducted in laboratory environment (23 ± 2°C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients.	
Reference standards	
TS EN 12004-1 / Class: C2TES1(Enhanced high-performance cement-based tile adhesive mortar)	
CE	
Ministry of Public Works Pos. No: 04.013/1	

General information	
Physical form	White, powder
Shelf life	See storage conditions
Packaging	25 kg kraft bag Pallet: 64 pieces of 1600 kg in total
Application features	
Application temperature	Between +5° C and +35°C
Mixture ratio	7-8 L water/25 kg powder
Using period max.	6 hours
Workable period(floors) min.	30 minutes
Readjusting period(floors) min.	15 minutes
Time to apply joint	24 hours for walls - 48 hours for floors
Consumption	See Notched Trowel Size and Consumption Table
Performance details	
Tensile/adhesion strength after keeping open(30 min.)	≥1 N/mm <sup>2</sup>
Initial tensile/adhesion strength	≥1 N/mm <sup>2</sup>
Tensile/adhesion strength after water submersion	≥1 N/mm <sup>2</sup>
Tensile/adhesion strength after thermal aging	≥1 N/mm <sup>2</sup>
Tensile/adhesion strength after freeze-thaw cycles	≥1 N/mm <sup>2</sup>
Shift	≤ 0,5 mm
Watertightness	≤ 3 bar
Temperature resistance	(-30° C) ile (+70° C) between
Note: The application features have been determined in consequence of the tests conducted in laboratory environment (23 ± 2°C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients.	
Reference standards	
TS EN 12004- 1 / Class: C2TE(Enhanced high-performance, reduced slip, cementitious adhesive for ceramic)	
CE	
Ministry of Public Works Pos. No: 04.013/1	



## Arkim ARFIX POOL FLEX 1168-1178

**Definition**

Cement-based, high performance, very flexible ceramic adhesive mortar contributes to water insulation

**Area of application**

In indoor and outdoor horizontal and vertical applications of the coating materials such as small and medium-sized floor and wall ceramics, tiles, natural stone and glass mosaic, travertine, decorative furring bricks on the surfaces like concrete, plaster, screed especially in wet areas such as bathroom and kitchen.  
-The product is also used to coat old ceramic, granite and marble with ceramic or granite. -It is used in glass mosaic applications in wet areas such as pool, Turkish bath, spa, sauna, water tank.  
-It is used in spaces with sudden temperature changes, such as cold stores, quick freezing facilities, floor heating systems, etc.  
- Finally, it is used in the places such as malls, business centers, hospitals, schools, etc. where there is heavy foot traffic.

**Application features**

Using period: Max 6 hours  
-Workable period: Max 30 minutes  
-Readjusting period: Max. 15 minutes  
-Time to apply joint: 24 hours for walls, 48 hours for floors

**Surface preparation**

-ARKIM ARFIX POOL application surfaces must

be cleared of dust, dirt, oil, etc. that prevent adherence.

-Any irregularities on the application surfaces, if any, are repaired with ARKIM ARREPAIR THIN or ARKIM ARREPAIR THICK.

-It is necessary to make sure that the surface has been cured and robust.

- If they are porous, the application surfaces must be dampened. -It is necessary to make sure that the application surface is robust, self-supporting and level

**Application conditions**

-Ambient temperature should be between +5 °C and +35 °C

-Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours.

-Do not apply on surfaces under direct sun or strong wind, or hot surfaces.

-It is necessary to pay attention to film formation on the surface of ARKIM ARFIX POOL during application; in case of film formation, ARKIM ARFIX POOL must be notched again

**Warnings and advices**

-Strictly avoid adding foreign substances.

-After the application, all tools used must be washed with water before letting them dry.

**Application tools**

Hand mixer, trowel, rubber hammer, notched steel trowel

**Application**

-The container in which the mortar will be prepared must be clean and cleared of the remnants of the previous mixture.

-It is necessary to pay attention to cleanliness of the water and materials used.

-The grout must be prepared by using 8,5-9,5 liters of water and 25 kg of ARKIM ARFIX POOL.

-Firstly, water is poured into the container, and then the powder is added slowly; they are mixed until a homogeneous mixture is obtained.

-A low speed mixer must be used to obtain a homogeneous mixture. -

After a homogeneous mixture has been obtained, the mortar is left to mature for 5-10 minutes. -Before. After the mixture has become homogeneous, never add powder, water or another material.

-In order to obtain a better adherence surface, after the mortar has been spread on the surface with the flat side of the trowel, it must be notched with the notched side of the trowel selected to the tile dimensions (see Notch Size and Consumption Table).

-The tiles must be fixed to the notched mortar by applying force with rubber hammer within 30 minutes. This period may be shorter for the applications carried out under inappropriate conditions such as high temperature, low humidity, wind, etc.

-Nothing must be fixed to the mortar the using time of which is over, and the mortar must be scraped off the surface.

-The prepared mortar must be consumed within 5 hours.

**Storage conditions**

-It is necessary to take care not to put more than 10 Kraft bags on top of each other in storage. -

This product must be stored in dry indoor areas away from direct sunlight.

-Bags must be stored so as not to contact with the ground in order them to be protected against humid.

-Under such conditions, the product can be stored for 12 months as of the production date.

-Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product. It can be stored for 12 months between +5°C and +35 °C.

## Arkim ARFIX FLEX 1511-1522

**Definition**

Single component, cement based, high performance, flexible, slip resistant, long working time adhesive mortar.

**Area of application**

It is used to fix coating materials such as ceramic, granite, marble securely on the building facade surfaces such as concrete, plaster, screed, etc. up to 30 m high. This product must not be used to fix coating materials on facades larger than 60 cm x 60 cm up to 15 m, or 40 cm x 40 cm up to 30 m. It is used to coat floor heating systems and plasterboards with ceramic. It is also used to coat old granite and marble surfaces with ceramic. It is used to apply ceramics on challenging surfaces like painted ones. It is used in spaces with sudden temperature changes, such as cold stores, quick freezing facilities, facades of kilns and furnaces, floor heating systems, etc. Finally, it is used in the places such as malls, business centers, hospitals, schools, etc. where there is heavy foot traffic.

**Application features**

-Using period: Max. 5 hours

-Workable period: Max. 30 minutes

-Readjusting period: Max. 20 minutes

-Time to apply joint: 24 hours for walls, 48 hours for floors.

**Surface preparation**

-ARKIM ARFIX FLEX application surfaces must be cleared of dust, dirt, oil, etc. that prevent adherence.

-Any irregularities on the application surfaces, if any, are repaired with ARKIM ARREPAIR THIN or ARKIM ARREPAIR THICK.

-It is necessary to make sure that the surface has been cured and robust.

- If they are porous, the application surfaces must be dampened.

-It is necessary to make sure that the application surface is robust, self-supporting and level.

**Application conditions**

-Ambient temperature should be between +5 °C and +35 °C.

-Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours.

-Do not apply on surfaces under direct sun or strong wind, or hot surfaces.

-It is necessary to pay attention to film formation on the surface of ARKIM ARFIX RAPID during application; in case of film formation, ARKIM ARFIX RAPID must be notched again.

**Warnings and advices**

-Strictly avoid adding foreign substances.

-After the application, all tools used must be washed with water before letting them dry.

**Application tools**

Hand mixer, trowel, rubber hammer, notched steel trowel

**Application**

-The container in which the mortar will be prepared must be clean and cleared of the remnants of the previous mixture. It is necessary to pay attention to cleanliness of the water and materials used.

-The grout must be prepared by using 8,75-9,25 liters of water and 25 kg of ARKIM ARFIX flex.

-Firstly, water is poured into the container, and then the powder is added slowly; they are mixed until a homogeneous mixture is obtained.

-A low speed mixer must be used to obtain a homogeneous mixture.

-After a homogeneous mixture has been obtained, the mortar is left to mature for 5-10 minutes.

-Before starting the application, the mixture must be remixed for 1-2 minutes.

After the mixture has become homogeneous, never add powder, water or another material.

-In order to obtain a better adherence surface, after the mortar has been spread on the surface with the flat side of the trowel, it must be notched with the notched side of the trowel selected to the tile dimensions (see Notch Size and Consumption Table). -

The tiles must be fixed to the notched mortar by applying force with rubber hammer within 30 minutes. This period may be shorter for the applications carried out under inappropriate conditions such as high temperature, low humidity, wind, etc.

-Nothing must be fixed to the mortar the using time of which is over, and the mortar must be scraped off the surface.

-The prepared mortar must be consumed within 5 hours.

-The caked mortar in the container or the mortar the using period of which is over must be discharged.

-Wash your hands and application tools with plenty of water after the application.

-Protect the tiles affixed with ARKIM ARFIX FLEX against direct water contact for no less than 24 hours.

**Storage conditions**

-It is necessary to take care not to put more than 10 Kraft bags on top of each other in storage.

-This product must be stored in dry indoor areas away from direct sunlight. -Bags must be stored so as not to contact with the ground in order them to be protected against humid.

-Under such conditions, the product can be stored for 12 months as of the production date.

-Can be stored for 12 months between 5°C and +35°C

-Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

General Information	
Appearance Grey-White, Powder	
Shelf Life See.	Storage Conditions
Packaging	In 25 kg Kraft Bag 64 pieces on Pallet, 1600 kg
Application Features	
Application Temperature	(+5 °C) to (+35 °C)
Mixing Ratio	8,5-9,5 L water/25 kg powder
Usage Time 5 hours maximum Uptime (on ground) minimum	30 minutes
Fix-up Time (on ground) minimum	15 minutes
Commissioning Time (time to traffic)	24 hours on Wall - 48 hours on Floor See Notched Trowel Size and Consumption Table
Performance Information	
Tensile Adhesion Strength After Opening (30 minutes)	≥0,5N/mm²
Tensile Adhesion Strength	≥1N/mm²
Tensile Adhesion Strength After Immersion	≥1N/mm²
Tensile Adhesion Strength After Heat Aging	≥1N/mm²
After Freeze-Thaw Cycles Tensile Adhesion Strength	≥1N/mm²
Slip	≤0,5mm
Flexibility	≥5mm
Temperature Resistance	(-30 °C) to (+70 °C)
Note: Application specifications in laboratory environment (23±2°C and 50±5% relative humidity) and no air flow) have been obtained as a result of the experiments and may vary in different ambient conditions. The performance information has been tested in the environments specified by the product's standard, and the results may be observed differently in different environments.	
Reference Standards	
TS EN 12004-1 Class C2TES2 High performance, reduced slip, very flexible cementitious adhesive mortar with long working time	
CE	
Public Works Pos No: 04013/1	

General information	
Physical form	Gray-white, powder
Shelf life See	storage conditions Packaging 25 kg kraft bag
Application features	
Application temperature	+5° C and +35°C
Mixture ratio	8,75-9,25 L water/25 kg powder
Using period max.	5hours
Workable period(floors) min. 30 minutes Readjusting period(floors) min.	15 minutes
Time to apply joint	24 hours for walls -48 hours for floors
Consumption	See Notched Trowel Size and Consumption Table
Performance details	
Tensile/adhesion strength after keeping open(30 min.)	≥0,5 N/mm2
Initial tensile/adhesion strength	≥1 N/mm2
Tensile/adhesion strength after water submersion	≥1 N/mm2
Tensile/adhesion strength after thermal aging	≥1 N/mm2
Tensile/adhesion strength after freeze-thaw cycles	≥1 N/mm2
Shift	≤ 0,5 mm
Temperature resistance	(-30°C) ile (+70°C) between
Note: The application features have been determined in consequence of the tests conducted in laboratory environment (23 ± 2°C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients.	
Reference standards	
TS EN 12004-1 / Class: C2TES1(Single component, cement based, high performance, flexible, slip resistant, long working time adhesive mortar)	
CE	
Ministry of Public Works Pos. No: 04.013/1	



## Arkim ARFIX FLEX PLUS 1533-1544

**Definition**

Single component, cement based, high performance, flexible, slip resistant, long working time adhesive mortar.

**Area of application**

It is used to fix coating materials such as ceramic, granite, marble securely on the building facade surfaces such as concrete, plaster, screed, etc. up to 30 m high. This product must not be used to fix coating materials on facades larger than 60 cm x 60 cm up to 15 m, or 40 cm x 40 cm up to 30 m. It is used to coat floor heating systems and plasterboards with ceramic. It is also used to coat old granite and marble surfaces with ceramic. It is used to apply ceramics on challenging surfaces like painted ones. It is used in spaces with sudden temperature changes, such as cold stores, quick freezing facilities, facades of kilns and furnaces, floor heating systems, etc. Finally, it is used in the places such as malls, business centers, hospitals, schools, etc. where there is heavy foot traffic.

**Application features**

-Using period: Max. 5 hours  
-Workable period: Max. 30 minutes  
-Readjusting period: Max. 20 minutes  
-Time to apply joint: 24 hours for walls, 48 hours for floors.

**Surface preparation**

-ARKIM ARFIX FLEX PLUS application surfaces must be cleared of dust, dirt, oil, etc. that prevent adherence. -  
Any irregularities on the application surfaces, if any, are repaired with ARKIM ARREPAIR THIN or ARKIM ARREPAIR THICK.  
-It is necessary to make sure that the surface has been cured and robust.  
-If they are porous, the application surfaces must be dampened.  
-It is necessary to make sure that the application surface is robust, self-supporting and level.

**Application conditions**

-Ambient temperature should be between +5 °C and +35 °C  
-Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours.  
-Do not apply on surfaces under direct sun or strong wind, or hot surfaces.  
-It is necessary to pay attention to film formation on the surface of ARKIM ARFIX RAPID during application; in case of film formation, ARKIM ARFIX FLEX PLUS must be notched again.

**Warnings and advices**

-Strictly avoid adding foreign substances.  
-After the application, all tools used must be washed with water before letting them dry.

**Application tools**

Hand mixer, trowel, rubber hammer, notched steel trowel

**Application**

-The container in which the mortar will be prepared must be clean and cleared of the remnants of the previous mixture. It is necessary to pay attention to cleanliness of the water and materials used.  
-The grout must be prepared by using 8,75-9,25 liters of water and 25 kg of ARKIM ARFIX flex PLUS.  
-Firstly, water is poured into the container, and then the powder is added slowly; they are mixed until a homogeneous mixture is obtained.  
-A low speed mixer must be used to obtain a homogeneous mixture.  
-After a homogeneous mixture has been obtained, the mortar is left to mature for 5-10 minutes.  
-Before starting the application, the mixture must be remixed for 1-2 minutes. -  
-After the mixture has become homogeneous, never add powder, water or another material.  
-In order to obtain a better adherence surface, after the mortar has been spread on the surface with the flat side of the trowel, it must be notched with the notched side of the trowel selected to the tile dimensions (see Notch Size and Consumption Table). -

The tiles must be fixed to the notched mortar by applying force with rubber hammer within 30 minutes. This period may be shorter for the applications carried out under inappropriate conditions such as high temperature, low humidity, wind, etc.  
-Nothing must be fixed to the mortar the using time of which is over, and the mortar must be scraped off the surface.  
-The prepared mortar must be consumed within 5 hours. -The caked mortar in the container or the mortar the using period of which is over must be discharged.  
-Wash your hands and application tools with plenty of water after the application.  
-Protect the tiles affixed with ARKIM ARFIX FLEX PLUS against direct water contact for no less

**Storage conditions**

-It is necessary to take care not to put more than 10 Kraft bags on top of each other in storage.  
-This product must be stored in dry indoor areas away from direct sunlight.  
-Bags must be stored so as not to contact with the ground in order them to be protected against humid.  
-Under such conditions, the product can be stored for 12 months as of the production date.  
-Can be stored for 12 months between 5°C and +35°C. -Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

General information	
Physical form	Gray-white, powder
Shelf life	See storage conditions
Packaging	25 kg kraft bag
Application features	
Application temperature	+5° C and +35°C
Mixture ratio	8,75-9,25 L water/25 kg powder
Using period max. 30 minutes	15 minutes
Readjusting period(floors) min.	5 minutes
Time to apply joint 2	4 hours for walls - 48 hours for floors
Consumption	See Notched Trowel Size and Consumption Table
Performance details	
Tensile/adhesion strength after keeping open(30 min.)	≥0,5 N/mm²
Initial tensile/adhesion strength	≥1 N/mm²
Tensile/adhesion strength after water submersion	≥1 N/mm²
Tensile/adhesion strength after thermal aging	≥1 N/mm²
Tensile/adhesion strength after freeze-thaw cycles	≥1 N/mm²
Shift	≤ 0,5 mm
Temperature resistance	(-30° C) ile (+70°C) between
Note: The application features have been determined in consequence of the tests conducted in laboratory environment (23 ± 2°C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients.	
Reference standards	
TS EN 12004-1 / Class: C2TES2 (Single component, cement based, high performance, flexible, slip resistant, long working time adhesive mortar)	
CE	
Ministry of Public Works Pos. No: 04.013/1	

## Arkim ARFIX RAPID 1188 - 1199

**Definition**

Cement-based, rapid hardening ceramic adhesive mortar with less shifting

**Area of application**

-It is used in indoor and outdoor horizontal and vertical applications of the coating materials such as small and medium-sized floor and wall ceramics, tiles, natural stone and glass mosaic, travertine, decorative furring bricks on the surfaces like concrete, plaster, screed especially in wet areas such as bathroom and kitchen.  
-It is used to stick tiles to tiles or ceramics to ceramics.  
-It is ideal to use in spaces to be put into service in one day.

**Application features**

-Using period: Max. 30 minutes  
-Workable period: Max. 10 minutes  
-Readjusting period: Max. 5 minutes  
-Time to apply joint: 5 hours for walls, 12 hours for floors

**Surface preparation**

-ARKIM ARFIX RAPID application surfaces must be cleared of dust, dirt, oil, etc. that prevent adherence.  
-Any irregularities on the application surfaces, if any, are repaired with ARKIM ARREPAIR THIN or

**ARKIM ARREPAIR THICK.**

-It is necessary to make sure that the surface has been cured and robust.  
-If they are porous, the application surfaces must be dampened.  
-It is necessary to make sure that the application surface is robust, self-supporting and level.

**Application conditions**

Ambient temperature should be between +5 °C and +35 °C  
-Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours.  
-Do not apply on surfaces under direct sun or strong wind, or hot surfaces.  
-It is necessary to pay attention to film formation on the surface of ARKIM ARFIX RAPID during application; in case of film formation, ARKIM ARFIX RAPID must be notched again.

**Warnings and advices**

-Strictly avoid adding foreign substances. -  
After the application, all tools used must be washed with water before letting them dry.

**Application tools**

Hand mixer, trowel, rubber hammer, notched steel trowel

**Application**

The container in which the mortar will be prepared must be clean and cleared of the remnants of the previous mixture.  
-It is necessary to pay attention to cleanliness of the water and materials used.  
-The grout must be prepared by using 7-8 liters of water and 25 kg of ARKIM ARFIX RAPID. -Firstly, water is poured into the container, and then the powder is added slowly; they are mixed until a homogeneous mixture is obtained.  
-A low speed mixer must be used to obtain a homogeneous mixture.  
-After a homogeneous mixture has been obtained, the mortar is left to mature for 5-10 minutes.  
-Before starting the application, the mixture must be remixed for 1-2 minutes.  
-After the mixture has become homogeneous, never add powder, water or another material.  
-In order to obtain a better adherence surface, after the mortar has been spread on the surface with the flat side of the trowel, it must be notched with the notched side of the trowel selected to the tile dimensions (see Notch Size and Consumption Table).  
-The tiles must be fixed to the notched mortar by applying force with rubber hammer within 20 minutes. This period may be shorter for the

applications carried out under inappropriate conditions such as high temperature, low humidity, wind, etc.  
-Nothing must be fixed to the mortar the using time of which is over, and the mortar must be scraped off the surface.  
-The prepared mortar must be consumed within 5 hours.  
-The caked mortar in the container or the mortar the using period of which is over must be discharged.  
-Wash your hands and application tools with plenty of water after the application.  
-Protect the tiles affixed with ARKIM ARFIX RAPID against direct water contact for no less than 24 hours.

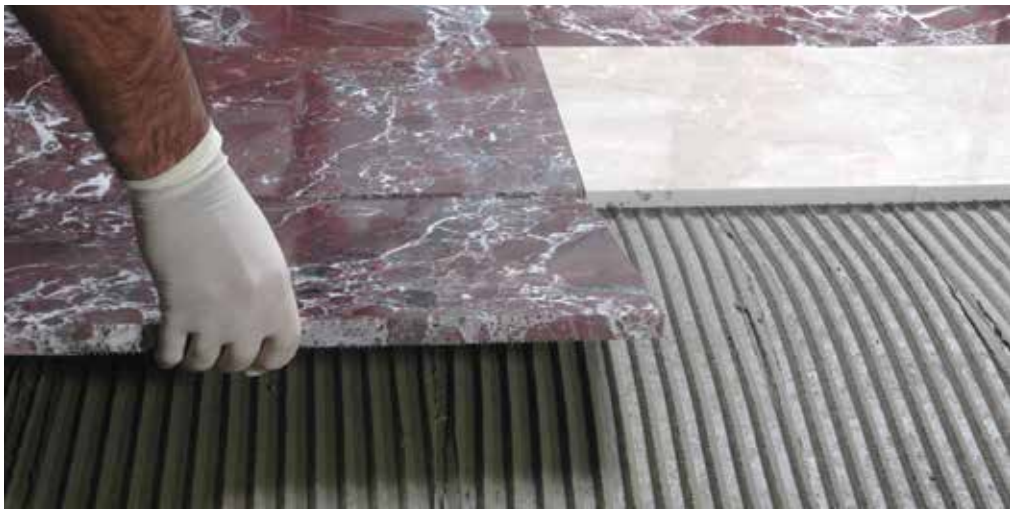
**Storage conditions**

-It is necessary to take care not to put more than 10 Kraft bags on top of each other in storage. -This product must be stored in dry indoor areas away from direct sunlight.  
-Bags must be stored so as not to contact with the ground in order them to be protected against humid. -Under such conditions, the product can be stored for 12 months as of the production date.  
-Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

General information	
Physical form	Gray-white, powder
Shelf life	See storage conditions
Packaging	25 kg kraft bag Pallet: 64 pieces of
1600 kg in total	
Application features	
Application temperature	Between +5° C and +35°C
Mixture ratio	7-8 L water/25 kg powder
Using period max.	30 minutes
Workable period(floors) min.	10 minutes
Readjusting period(floors) min.	5 minutes,
Commissioning Time (traffic opening time) for Walls	5 hours, for floors 12 hours
Consumption	See Notched Trowel Size and Consumption Table
Performance details	
Tensile/adhesion strength after keeping open(10 min.)	≥0,5 N/mm²
Initial tensile/adhesion strength	≥0,1 N/mm²
Tensile/adhesion strength after water submersion	≥0,1 N/mm²
Tensile/adhesion strength after thermal aging	≥0,5 N/mm²
Tensile/adhesion strength after freeze-thaw cycles	≥0,5 N/mm²
Shift	≤ 0,5 mm
Temperature resistance	(-30°C) ile (+70°C) between
Note: The application features have been determined in consequence of the tests conducted in laboratory environment (23 ± 2°C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients.	
Reference standards	
TS EN 12004-1 / Class: C2F(Cement based, high performance, fast setting ceramic adhesive mortar)	
CE	
Ministry of Public Works Pos. No: 04.013/1	



## Arkim ARGRANİT 1211-1212

**Definition**

Cement-based, normal hardening, high performance, reduced slip, long running time marble and granite adhesive mortar.

**Area of application**

-This product is used in indoor and outdoor application of the materials such as ceramic, granite, natural granite, large-sized ceramic, porcelain ceramic, marble and pressed brick horizontally on the surfaces such as concrete, plaster, screed, etc.  
-It is also used to coat old granite and marble surfaces with ceramic as well as modification and repair of such surface.  
-Finally, it is used in the places such as malls, business centers, hospitals, schools, etc. where there is heavy foot traffic.

**Application features**

-Using period: Max. 5 hours  
-Workable period: Max. 30 minutes  
-Readjusting period: Max. 15 minutes  
-Time to apply joint: 24 hours for walls, 48 hours for floors

**Surface preparation**

ARKIM ARGRANIT application surfaces must be cleared of dust, dirt, oil, etc. that prevent adherence.

-Any irregularities on the application surfaces, if any, are repaired with ARKIM ARREPAIR THIN or ARKIM ARREPAIR THICK.

-It is necessary to make sure that the surface has been cured and robust.

-If they are porous, the application surfaces must be dampened.

-It is necessary to make sure that the application surface is robust, self-supporting and level.

**Application conditions**

-Ambient temperature should be between +5 °C and +35 °C -Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours.  
-Do not apply on surfaces under direct sun or strong wind, or hot surfaces.  
-It is necessary to pay attention to film formation on the surface of ARKIM ARGRANIT during application; in case of film formation, ARKIM ARGRANIT must be notched again.

**Warnings and advices**

-Strictly avoid adding foreign substances.  
-After the application, all tools used must be washed with water before letting them dry.  
Application tools Hand mixer, trowel, rubber hammer, notched steel trowel

**Application**

-The container in which the mortar will be prepared must be clean and cleared of the remnants of the previous mixture. -It is necessary to pay attention to cleanliness of the water and materials used.

-The mortar must be prepared by using 6-6.5 liters of water and 25 kg of ARKIM ARGRANIT. -Firstly, water is poured into the container, and then the powder is added slowly; they are mixed until a homogeneous mixture is obtained.

-A low speed mixer must be used to obtain a homogeneous mixture.

-After a homogeneous mixture has been obtained, the mortar is left to mature for 5-10 minutes.

-Before starting the application, the mixture must be remixed for 1-2 minutes.

-After the mixture has become homogeneous, never add powder, water or another material.

-In order to obtain a better adherence surface, after the mortar has been spread on the surface with the flat side of the trowel, it must be notched with the notched side of the trowel selected to the tile dimensions (see Notch Size and Consumption Table).

-The tiles must be fixed to the notched mortar by applying force with rubber hammer within

30 minutes. This period may be shorter for the applications carried out under inappropriate conditions such as high temperature, low humidity, wind, etc.

-Nothing must be fixed to the mortar the using time of which is over, and the mortar must be scraped off the surface.

-The prepared mortar must be consumed within 5 hours. -

The caked mortar in the container or the mortar the using period of which is over must be discharged.

-Wash your hands and application tools with plenty of water after the application.

-Protect the tiles affixed with ARKIM ARGRANIT against direct water contact for no less than 24 hours.

**Storage conditions**

-It is necessary to take care not to put more than 10 Kraft bags on top of each other in storage.

-This product must be stored in dry indoor areas away from direct sunlight. -Bags must be stored so as not to contact with the ground in order them to be protected against humid.

-Under such conditions, the product can be stored for 12 months as of the production date

## Arkim ARGRANIT PLUS 1222 - 1233

**Definition**

Cement-based, normal hardening, high performance, reduced slip, long running time marble and granite adhesive mortar.

**Area of application**

-This product is used in indoor and outdoor application of the materials such as ceramic, granite, natural granite, large-sized ceramic, porcelain ceramic, marble and pressed brick vertically on the surfaces such as concrete, plaster, screed, etc.  
-It is also used to coat old granite and marble surfaces with ceramic as well as modification and repair of such surface.  
-Finally, it is used in the places such as malls, business centers, hospitals, schools, etc. where there is heavy foot traffic.

**Application features**

-Using period: Max. 5 hours  
-Workable period: Max. 30 minutes  
-Readjusting period: Max. 15 minutes  
-Time to apply joint: 24 hours for walls, 48 hours for floors

**Surface preparation**

-ARKIM ARGRANIT PLUS application surfaces must be cleared of dust, dirt, oil, etc. that prevent adherence.

-Any irregularities on the application surfaces, if any, are repaired with ARKIM ARREPAIR THIN or ARKIM ARREPAIR THICK.  
-It is necessary to make sure that the

**Application conditions**

-Ambient temperature should be between +5°C and +35 °C  
-Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours.  
-Do not apply on surfaces under direct sun or strong wind, or hot surfaces.  
-It is necessary to pay attention to film formation on the surface of ARKIM ARGRANIT PLUS during application; in case of film formation, ARKIM ARGRANIT PLUS must be notched again

**Warnings and advices**

-Strictly avoid adding foreign substances.  
-After the application, all tools used must be washed with water before letting them dry

**Application tools**

Hand mixer, trowel, rubber hammer, notched steel trowel.

**Application**

-The container in which the mortar will

be prepared must be clean and cleared of the remnants of the previous mixture. -It is necessary to pay attention to cleanliness of the water and materials used.

-The mortar must be prepared by using 6-6.5 liters of water and 25 kg of ARKIM ARGRANIT PLUS.

-Firstly, water is poured into the container, and then the powder is added slowly; they are mixed until a homogeneous mixture is obtained.

-A low speed mixer must be used to obtain a homogeneous mixture.

-After a homogeneous mixture has been obtained, the mortar is left to mature for 5-10 minutes.

-Before starting the application, the mixture must be remixed for 1-2 minutes.

-After the mixture has become homogeneous, never add powder, water or another material.

-In order to obtain a better adherence surface, after the mortar has been spread on the surface with the flat side of the trowel, it must be notched with the notched side of the trowel selected to the tile dimensions (see Notch Size and Consumption Table).

-The tiles must be fixed to the notched mortar by applying force with rubber hammer within 30 minutes.

-Nothing must be fixed to the mortar the using time of which is over, and the mortar must be scraped off the surface.

-The prepared mortar must be consumed within 5 hours.

-The caked mortar in the container or the mortar the using period of which is over must be discharged.

-Wash your hands and application tools with plenty of water after the application.

-Protect the tiles affixed with ARKIM ARGRANIT PLUS against direct water contact for no less than 24 hours.

**Storage conditions**

-It is necessary to take care not to put more than 10 Kraft bags on top of each other in storage.

-This product must be stored in dry indoor areas away from direct sunlight. -Bags must be stored so as not to contact with the ground in order them to be protected against humid.

-Under such conditions, the product can be stored for 12 months as of the production date. -Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

**General information**

Physical form	Gray-white, powder
Shelf life	See storage conditions Packaging 25 kg kraft bag Pallet: 64 pieces of 1600kg in total.

**Application features**

Application temperature Between	+5 °C and +35 °C
Mixture ratio	6-6.5 L water/25 kg powder
Using period max.	5 hours
Workable period(floors) min.	30 minutes
Readjusting period(floors) min.	15 minutes

**Consumption**

	See Notched Trowel Size and Consumption Table.
--	------------------------------------------------

**Performance details**

Tensile/adhesion strength after keeping open(30 min.)	≥0,5 N/mm²
Initial tensile/adhesion strength	≥1 N/mm²
Tensile/adhesion strength after water submersion	≥1 N/mm²
Tensile/adhesion strength after thermal aging	≥1 N/mm²
Tensile/adhesion strength after freeze-thaw cycles	≥1 N/mm²
Shift	≤0,5 mm
Temperature resistance	(-30°C) ile (+70°C) between

Note: The application features have been determined in consequence of the tests conducted in laboratory environment (23 ± 2°C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients.

**Reference standards**

TS EN 12004-1 / Class: C2TE(High performance cementitious adhesive mortar with reduced slip and long running time.) CE Ministry of Public Works Pos. No: 04.013/1

**General information**

Physical form	Gray-white, powder
Shelf life	See storage conditions
Packaging	25 kg kraft bag Pallet: 64 pieces of 1600 kg in total

**Application features**

Application temperature Between	+5° C and +35°C
Mixture ratio	6-6,5 L water/25 kg powder
Using period max.	5 hours
Workable period(floors) min.	30 minutes
Readjusting period(floors) min.	15 minutes. commissioning time (traffic opening time) for walls 24 hours,for floors 48 hours.

**Performance details**

Tensile/adhesion strength after keeping open(30 min.)	≥0.5 N/mm²
Initial tensile/adhesion strength	≥1 N/mm²
Tensile/adhesion strength after water submersion	≥1 N/mm²
Tensile/adhesion strength after thermal aging	≥1 N/mm²
Tensile/adhesion strength after freeze-thaw cycles	≥1 N/mm²
Shift	≤ 0,5 mm
Temperature resistance	(-30 °C) ile (+70°C).

Note: The application features have been determined in consequence of the tests conducted in laboratory environment (23 ± 2°C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients.

**Reference standards**

TS EN 12004-1 / Class: C2TE(High performance cementitious adhesive mortar with reduced slip and long running time.)

CE

Ministry of Public Works Pos. No: 04.013/1



## Arkim ARBLOCK 1311

**Definition**

Cement-based, ready made gas concrete and masonry mortar.

**Area of application**

-It is used to bond elements with high water absorption such as gas concrete and brick.

**Surface Preparation**

-The surfaces on which ARKIM ARBLOCK will be applied must be free of dust, dirt, oil, etc. It should be cleared of residues that will prevent sticking, such as -

The application surface should be moistened with water if necessary.

- In order to correct the irregularities on the floor, the first row should be knitted with classical mortar. There is no need to do this for knitting other rows.

**Application conditions**

-Ambient temperature should be between +5 °C and +35°C -

Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours.

-Do not apply on surfaces under direct sun or strong wind, or hot surfaces.

-It is necessary to take pay attention to film formation on the surface of ARKIM ARBLOCK during application; in case of film formation, ARKIM ARBLOCK must be notched again.

**Warnings and advices**

-Strictly avoid adding foreign substances.

-The caked mortar in the container or the mortar the using period of which is over must be discharged.

-After the application, all tools used must be washed with water before letting them dry.

**Application tools**

Hand mixer, trowel, rubber hammer, notched steel trowel

**Application**

-The container in which the mortar will be prepared must be clean and cleared of the remnants of the previous mixture.

-It is necessary pay attention to cleanliness of the water and materials used.

-The mortar must be prepared by using 6-6.5 liters of water and 25 kg of ARKIM ARBLOCK.

-Firstly, water is poured into the container, and then the powder is added slowly. They are mixed until a homogeneous mixture is obtained.

-A low speed mixer must be used to obtain a homogeneous mixture.

-After a homogeneous mixture has been obtained, the mortar is left to mature for 5-10 minutes.

-Before starting the application, the mixture must be remixed for 1-2 minutes.

-After the mixture has become homogeneous, never add powder, water or another material.

-The adhesive must be spread all over the surface and applied in the same thickness by notching with 10 x 10 x 10 mm notched trowel.

-During bonding, it is necessary to take care

to leave no more than 3 mm wide joints horizontally and vertically, and fill the joint gaps with adhesive completely.

-The adhesive must be applied on the notched mortar within 10-15 minutes.

-The prepared mortar must be consumed within 5 hours.

**Storage conditions**

-It is necessary to take care not to put more than 10 Kraft bags on top of each other in storage.

-This product must be stored in dry indoor areas away from direct sunlight.

-Bags must be stored so as not to contact with the ground in order them to be protected against humid.

- Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product. Under such conditions, the product can be stored for 12 months as of the production date.

## Arkim ARBLOCK WALLBLOCK 1322

**Definition**

- It is a cement-based, masonry mortar with high adhesiveness, strengthened to bond surfaces with performance-enhancing chemicals.

**Area of Application**

It is used in brick, briquette, pumice and stone masonry

**Application features**

Contains chemical additives that increase product performance and workability. It has high adhesion strength.

- Easy to prepare and easy to apply. - It saves time and labor.

**Surface Preparation**

-The surfaces on which Arkim Arblock Wallblock will be applied must be free of residues such as dust, dirt, oil, etc. that will prevent adhesion.

- If necessary, the application surface should be moistened with water.

-In order to correct the irregularities on the

floor, the first row should be knitted with classical mortar by bringing it to the scale. There is no need to do this for knitting other rows.

-The container in which the mortar will be prepared must be clean and cleared of the remnants of the previous mixture. It is necessary to pay attention to cleanliness of the water and materials used.

-The mortar must be prepared by using 4,75-5,25 liters of water and 25 kg of Arkim Arblock Wallblock.

-Firstly, water is poured into the container, and then the powder is added slowly; they are mixed until a homogeneous mixture is obtained.

-A low speed mixer must be used to obtain a homogeneous mixture.

-After a homogeneous mixture has been obtained, the mortar is left to mature for 5-10 minutes.

-Before starting the application, the mixture must be remixed for 1-2 minutes.

-After the mixture has become homogeneous, never add powder, water or another material.

The adhesive should be spread over the entire surface and applied in the same thickness by combing with a 10 x 10 x 10 mm comb. While bonding, pay attention to leave a maximum of 3 mm wide joints horizontally and vertically, and it should be ensured that the joints are completely filled with adhesive.

-The prepared mortar must be consumed within 5 hours.

-The caked mortar in the container or the mortar the using period of which is over must be discharged.

-Wash your hands and

low strength. It should not be applied in very hot, dry and windy environments otherwise, spills and loss of strength may occur. Attention should be paid to product storage conditions. Products should not be stored in humid and very hot environments.

-It should never be used when there are situations such as petrification in the bag.

- Since it contains cement, its dust should not be inhaled. It should not come into contact with skin and eyes.

In case of contact, wash with plenty of water. Protective equipment such as masks and gloves should be used during work.

**Application tools**

with plenty of water after the application.

**Warnings and advices :**

Attention should be paid to the water / powder ratio of the mixture. Otherwise, deterioration of this ratio may cause spills and

**Storage Conditions**

It is necessary to take care not to put more than 10 Kraft bags on top of each other in storage.

-This product must be stored in dry indoor areas away from direct sunlight.

-Bags must be stored so as not to contact with the ground in order them to be protected against humid.

- Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

General information	
Physical form	Gray-white, powder
Shelf life	See storage conditions
Packaging 2	5 kg kraft bag Pallet: 64 pieces of 1600 kg in total

Application features	
Application temperature Between	+5° C and +35°C
Mixture ratio	6-6.5 L water/25 kg powder
Using period max.	5 hours
Workable period(floors) min	50 minutes
Readjusting period(floors) min.	30 minutes
Consumption	See Notched Trowel Size and Consumption Table

Performance details	
Compressive strength	≥ 10 N/mm²
Adhesive strength	≥ 0,15 N/mm² (table value)
Water absorption coefficient	≤ 0,5 kg/m2 dk 0,5
Density of Hardened Dry Mortar	1450±300 kg/m³
Thermal conductivity	0,54 W/mK
Workable period determination	≥ 30 minute
Determination of chloride	≤ 0,1%
Determination of air content 2	0 ± 2 kg/m³
Temperature resistance Between	(-30°C) and (+70°C)

Note: The application features have been determined in consequence of the tests conducted in laboratory environment (23 ± 2 °C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients.

**Reference standards**

TS EN 998-2: GP

CE

Ministry of Public Works Pos. No: 04478

General information	
Physical form	Gray-white, powder
Shelf life	See storage conditions
Packaging	25 kg kraft bag
Application features	
Application temperature Between	+5° C and +35°C
Mixture ratio	4,75-5,25 L water/25 kg powder
Using period max.	5 hours
Workable period(floors) min.	50 minutes
Readjusting period(floors) min.	30 minutes
Consumption	See Notched Trowel Size and Consumption Table.

Performance Information	
Processing time	≥ 50 min
Compressive Strength: M5 water absorption	≥ 2,5kg/m2.dk0,5
Water vapor permeability	15/20
Basing Dayanımı :	M5 Dry
Bulk Density of Hardened Mortar	1500±200 kg/m³
Aggregate Maximum Grain Size	≤ 2mm
Fixable Time	≥ 4 dk fire
Class	A1

Hazardous substances : None

Note: The application properties are provided as a result of experiments carried out in a laboratory environment (23 ± 2 °C and 50% ± 5% humidity and no air flow) and may vary according to different ambient conditions.

Performance information has been tested in the environments specified in accordance with the relevant standard of the product, and results may differ in different environments.

**Reference Standarts**

TS EN 998-2: GP

CE

Ministry of Public Works Pos. No: 04478





Notched Trowel Size and Consumption Chart for Ceramic Tile Adhesives

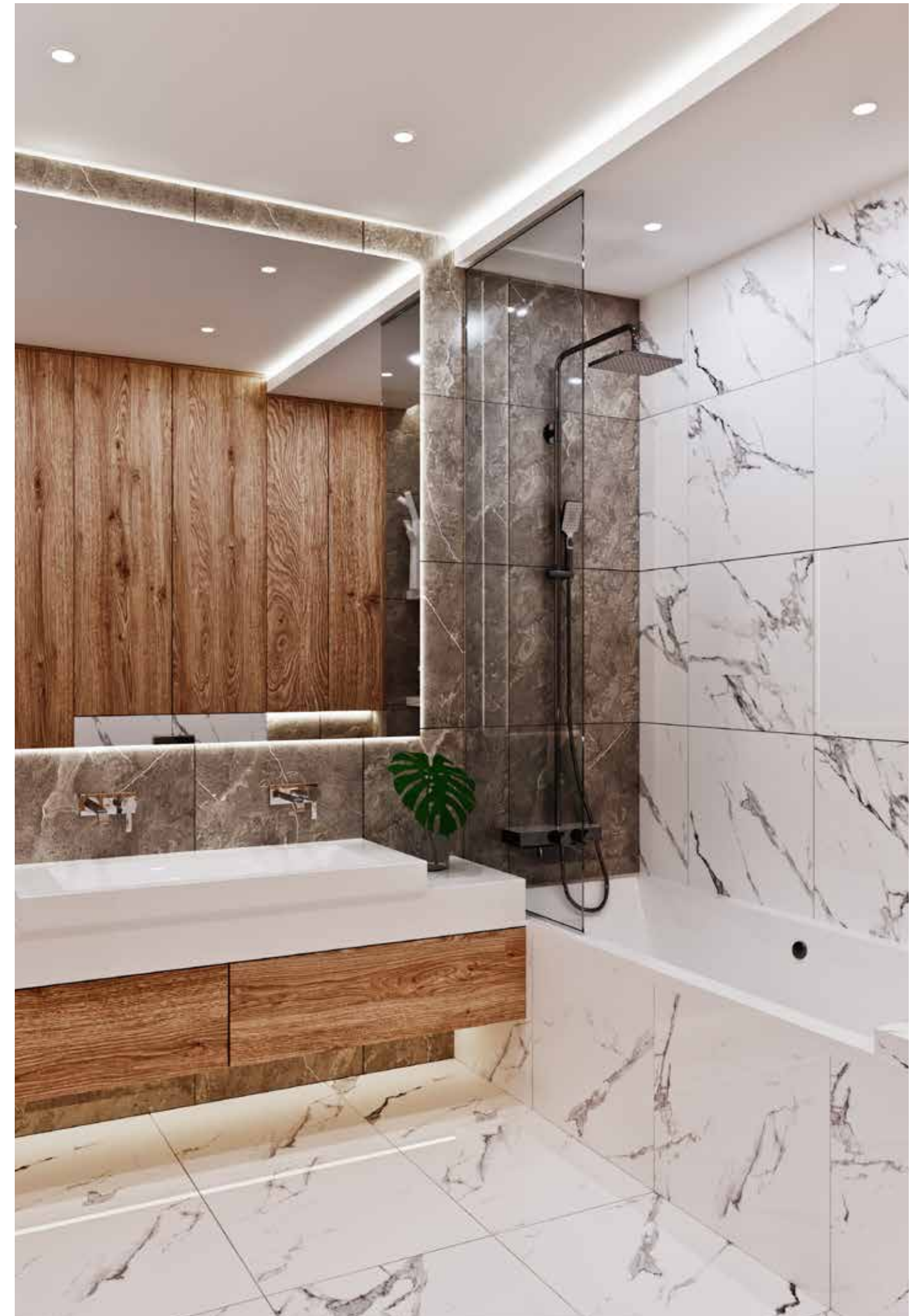
Tile Size	Notched Trowel Size	Consumption
< 5 cm	3 mm	2 kg/m <sup>2</sup>
5 - 10 cm	4 mm	2-3 kg/m <sup>2</sup>
10 - 20 cm	6 mm	4 kg/m <sup>2</sup>
20 - 40 cm	8 mm	5-6 kg/m <sup>2</sup>
> 40 cm	10 mm	7-8 kg/m <sup>2</sup>

Notched Trowel Size and Consumption Chart for Ceramic Tile Adhesives

	A (cm)	B (cm)	C (cm)	Average Consumption (kg/m <sup>2</sup> )
	20	50	20	5 - 8
	20	70	20	5 - 7
	30	50	15	3 - 5
	30	70	15	3 - 4
	30	50	20	4 - 6
	30	70	20	4 - 6

ARBLOCK WALLBLOCK Consumption table

	width (mm)	Size(mm)	Height(mm)	Consumption (kg/m <sup>2</sup> )
Arblock Heat Insulated Block	145	330	185	13
	195	330	185	17
	245	330	185	21
	295	330	185	22
Concrete Briquette	190	240	235	20
Bims Briquette	190	390	195	20
Bims Briquette	150	390	185	17
Bims Briquette	190	390	185	21







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02 | **ARKİM** | Joint Fillers

ARKİM Arfill

ARKİM **FLEX**

JOINT FILLERS COLOR CHART

JOINT FILLERS CONSUMPTION TABLE



Arkim ARFILL 2111



**Definition**  
Cement-based grouting plaster

**Area of application**  
-It is used to fill 0-6 mm joint gaps of the ceramic, tile, natural stone, granite, marble, etc. applied indoor and outdoor.  
-It gives perfect results in indoor horizontal and vertical applications

**Application features**  
-Using period: Max. 1 hours  
-Hardening time: 12 hours  
-Time to open the floor to foot traffic: 24-48 hours  
-30 different color variations.

**Surface preparation**  
-Joint filler application surfaces must be cleared of dust, dirt, oil, etc. that prevent adherence.  
-The application surface must not be too dry and bleed.  
-When highly absorbent coating materials are used or the application is made in hot and windy weathers, the joint gaps must be moisturized with clean water.  
-Since the application will be followed by sudden water loss in case of too high

ambient temperature, there can be collapse, roughening and cracking.

**Application conditions**  
-Ambient temperature should be between +5 °C and +35°C  
-Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours.  
-Do not apply on surfaces under direct sun or strong wind, or hot surfaces.

**Warnings and advices**  
-Strictly avoid adding foreign substances.  
-After the application, all tools used must be washed with water before letting them dry

**Application tools**  
Hand mixer, trowel, rubber-tip trowel, sponge-tip trowel, squeegee, brush

**Application**  
-The container in which the mortar will be prepared must be clean and cleared of the remnants of the previous mixture. It is necessary pay attention to cleanliness of the water and materials used.  
-The mortar must be prepared by using 6,75-7,25 liters of water and 20 kg of ARKIM ARFILL.

-Firstly, water is poured into the container, and then the powder is added slowly. It is mixed until no lump appears. A low speed mixer must be used to obtain a homogeneous mixture.  
-After a homogeneous mixture has been obtained, it is let to settle for 4-5 minutes. Before starting the application, the mixture is remixed for 1-2 minutes.  
-After the mixture has become homogeneous, never add powder, water or another material.  
-Spread the prepared mortar on the surface, and fill the joint gaps completely with first parallel and then transversal movements using rubber trowel or spatula.  
-When the joint filler starts to dry on the surface, the material is cleaned from the surface with a damp sponge used in circular movements.  
-After the surface has dried, it is cleaned completely with a dry cloth.  
-Finally, polishing is applied with another cloth.  
-The prepared mortar must be consumed within 1 hour. The caked mortar in the container or the mortar the using period of which is over must be discharged.

-Wash your hands and application tools with plenty of water after the application.  
-After the application, the application area must be opened for use after minimum 24-48 hours.

**Storage conditions**  
-It is necessary to take care not to put more than 10 Kraft bags on top of each other in storage.  
-This product must be stored in dry indoor areas away from direct sunlight.  
-Bags must be stored so as not to contact with the ground in order them to be protected against humid.  
-Under such conditions, the product can be stored for 12 months as of the production date.  
-Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

Arkim ARFILL FLEX 2211



**Definition**  
Cement-based silicon-additive, highly waterrepellent and highly abrasive resistant grouting plaster.

**Area of application**  
-It is used to fill 0-6 mm joint gaps of the ceramic, tile, natural stone, granite, marble, etc. applied indoor and outdoor.  
-It gives perfect results in indoor horizontal and vertical applications.

**Application features**  
-Using period: Max. 1 hour  
-Hardening time: 12 hours  
-Time to open the floor to foot traffic: 24-48 hours  
-30 different color variations

**Surface preparation**  
-Joint filler application surfaces must be cleared of dust, dirt, oil, etc. that prevent adherence.  
-The application surface must not be too dry and bleed.  
-When highly absorbent coating materials are used or the application is made in hot

and windy weathers, the joint gaps must be moisturized with clean water.  
-Since the application will be followed by sudden water loss in case of too high ambient temperature, there can be collapse, roughening and cracking.

**Application conditions**  
-Ambient temperature should be between +5 °C and + 35 °C  
-Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours.  
-Do not apply on surfaces under direct sun or strong wind, or hot surfaces.

**Warnings and advices**  
Strictly avoid adding foreign substances.  
-After the application, all tools used must be washed with water before letting them dry

**Application tools**  
Hand mixer, trowel, rubber-tip trowel, sponge-tip trowel, squeegee, brush

**Application**  
The mortar must be prepared by using

6,75-7,25 liters of water and 20 kg of ARFILL FLEX.  
-Firstly, water is poured into the container, and then the powder is added slowly. It is mixed until no lump appears. A low speed mixer must be used to obtain a homogeneous mixture.  
-After a homogeneous mixture has been obtained, it is let to settle for 4-5 minutes. Before starting the application, the mixture is remixed for 1-2 minutes.  
-After the mixture has become homogeneous, never add powder, water or another material.  
-Spread the prepared mortar on the surface, and fill the joint gaps completely with first parallel and then transversal movements using rubber trowel or spatula.  
-When the joint filler starts to dry on the surface, the material is cleaned from the surface with a damp sponge used in circular movements.  
-After the surface has dried, it is cleaned completely with a dry cloth.  
-Finally, polishing is applied with another cloth.  
-The prepared mortar must be consumed within 1 hour. The caked mortar in the

container or the mortar the using period of which is over must be discharged.  
-Wash your hands and application tools with plenty of water after the application.  
After the application, the application area must be opened for use after minimum 24-48 hours.

**Storage conditions**  
-It is necessary to take care not to put more than 10 Kraft bags on top of each other in storage. -  
This product must be stored in dry indoor areas away from direct sunlight.  
-Bags must be stored so as not to contact with the ground in order them to be protected against humid.  
-Under such conditions, the product can be stored for 12 months as of the production date.  
-Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

General information	
Physical form	30 different color variations, powder (See. Construction Chemicals sealant swatch catalog)
Shelf life	See storage conditions
Packaging In	20 kg kraft bags 1 and 5 kg polyethylene bags Pallet: 64 pieces of 1280 kg in total
Application features	
Application temperature Between	+5° C and +35°C
Mixture ratio	6,75-7,25L water/20 kg powder-
Hardening period	12 hours
Time to open the floor to foot traffic	24-48 hours
Consumption	See Joint Fillers Consumption Table
Performance details	
Abrasion Resistance	≤ 2000mm³
Bending strength after dry storage	≥ 2,5 N/mm²
Bending strength after Freeze-Thaw cycle	≥ 2,5 N/mm²
Compressive strength after dry storage	≥ 15 N/mm²
Compressive strength after Freeze-Thaw cycle	≥ 15 N/mm²
Shrinkage	≤ 3 mm/m
Water absorption 30 min. later	≤ 5 g
Water absorption 240 min. later:	≤ 10 g
Temperature resistance Between	(-30°C) and (+60°C)
Note: The application features have been determined in consequence of the tests conducted in laboratory environment (23 ± 2 °C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients	
Reference standards	
TS EN 13888/ Class: CG1 (Cement-based grouting plaster) G mark Ministry of Public Works Pos. No: 04.0132	

Genera information	
Physical form sealant swatch catalog) Shelf life	30 different color variations, powder (See. Construction Chemicals See storage conditions Packaging In 20 kg kraft bags 1 and 5 kg polyethylene bags Pallet: 64 pieces of 1280 kg in total
Application features	
Application temperature Between	+5° C and +35°C
Mixture ratio	6,75-7,25 L water/20 kg powder
Hardening time	12 hours
Consumption	Time to open the floor to foot traffic: 24-48 hours See Joint Fillers Consumption Table
Performance details	
Abrasion Resistance	≤ 1000 mm³
Bending strength after dry storage	≥ 2,5 N/mm²
Bending strength after Freeze-Thaw cycle	≥ 2,5 N/mm²
Compressive strength after dry storage	≥ 15 N/mm²
Compressive strength after Freeze-Thaw cycle	≥ 15 N/mm²
Shrinkage	≤ 3 mm/m
Water absorption 30 min. later:	≤ 2 g
Water absorption 240 min. later:	≤ 5 g
Temperature resistance Between	(-30 °C) and (+60° C)
Note: The application features have been determined in consequence of the tests conducted in laboratory environment (23 ± 2 °C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients.	
Reference standards	
TS EN 13888/ Class: CG2 WA (Cement-based silicon-additive, highly water-repellent and highly abrasive resistant groutin G mark Ministry of Public Works Pos. No: 04.0132	



01	White	16	Yellow
02	Gray	17	Baskil Yellow
03	Chrome Gray	18	Satin Yellow
04	Silver Gray	19	Lilac
05	Agin Beige	20	Pink
06	Harput Beige	21	Red
07	Ivory	22	Black
08	Çedene Brown	23	Pool Blue
09	Brown	24	Sivrice Cream
10	Turkish Brown	25	Sunta Beige
11	Coffee Milky	26	Çermik Beige
12	Ice Blue	27	Hazar Beige
13	Hazar Blue	28	Pertek Grees
14	Green	29	Orcik Brown
15	Cagla Green	30	Navy blue

Colors are closest to the real ones, and tonal changes due to printing can be observed.



Grouting WIDTH (mm)	Grouting DEPTH (mm)	CERAMIC DIMENSIONS (mm)	CONSUMPTION (gr/m2)
1	6	100x100	200
1	6	100x200	200
1	9	100x200	250
1	6	150x150	150
1	8	200x200	170
1	9	200x250	120
1	8	200x300	130
1	8	250x330	100
1	9	300x300	100
2	6	100x100	400
2	6	100x200	300
2	9	100x200	500
2	6	150x150	270
2	8	200x200	340
2	9	200x250	250
2	8	200x300	250
2	8	250x330	200
2	9	300x300	200
3	6	100x100	600
3	6	100x200	500
3	9	100x200	750
3	6	150x150	400
3	8	200x200	500
3	9	200x250	360
3	8	200x300	400
3	8	250x330	300
3	9	300x300	300
4	7	200x200	500
4	7	250x250	400
4	8,5	300x300	400
4	9	300x600	320
4	7	330x330	300
4	9	330x500	320
4	9	400x400	315
4	12	600x600	280
4	15	150x300	1050
4	15	250x250	850
4	18	300x300	850
5	7	200x200	620
5	7	250x250	500
5	8,5	300x300	500
5	9	300x600	400
5	7	330x330	380
5	9	330x500	400
5	9	400x400	400
5	12	600x600	350
5	15	150x300	1350
5	15	250x250	1050
5	18	300x300	1050
7	7	200x200	860
7	7	250x250	690
7	8,5	300x300	700
7	9	300x600	550
7	7	330x330	520
7	9	330x500	560
7	9	400x400	550
7	12	600x600	500
7	15	150x300	1850
7	15	250x250	1500
7	18	300x300	1500
10	7	200x200	1230
10	7	250x250	1000
10	8,5	300x300	1000
10	9	300x600	860
10	7	330x330	750
10	9	330x500	800
10	9	400x400	800
10	12	600x600	700
10	15	150x300	2650
10	15	250x250	2100
10	18	300x300	2100



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## 03 | ARKİM | Water Insulation

Arkım ARSEAL TECH

Arkım ARSEAL SET

Arkım ARSEAL SET PLUS

Arkım ARSEAL CRYSTAL

Arkım ARSEAL ACRYLIC Q2

Arkım ARSEAL ACRYLIC Q3

Arkım ARSEAL ACRYLIC UV Q1

Arkım ARSEAL BITUMEN 2K

Arkım ARSEAL BITUMEN





## Arkim ARSEAL TECH 3233

**Definition**

Cement-based, single component water insulation mortar that includes chemicals providing water impermeability.

**Area of applicatio**

-Indoor and outdoor horizontal and vertical applications,  
-Permanently wet areas like pool,  
-Water tanks, wet areas (bathroom, kitchen, WC),  
-Small-scale terraces, balconies,  
-Foundation, shear and retaining walls,  
-Surfaces like concrete, plaster, screed.

**Application features**

-Application thickness: 2-3mm  
-Using time: Max. 90 minutes  
-Workable period: Max. 10 minutes  
-Time to wait between layers: 6 hours  
-Time to wait for ceramic application: 4-5 days  
-Time to commission: 7 days

**Surface preparation**

-The application surfaces must be cleared of loose layers, dust, dirt and oil decreasing the adherence. It is necessary to take care that the application surface is robust and cured.  
-Any irregularities and cracks on the application

surfaces, if any, must be repaired with ARKIM ARREPAIR THIN or ARKIM ARREPAIR THICK reinforced with ARKIM ARLATEX.

-It is necessary to saturate the application surface with water, and keep it moist throughout the application. ARKIM ARASTAR must be used to obtain better result.

**Application conditions**

-Ambient temperature should be between +5°C and +35 °C. -Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours.  
-Do not apply on surfaces under direct sun or strong wind, or hot surfaces.

**Warnings and advices**

-Do not apply this product when it is too hot, under direct sunlight, under the weather conditions such as high wind, fog, high relative humidity, or when rain is anticipated.  
-Pay attention to the product storing conditions. Do not keep the product in humid or very hot places.  
-Do not apply this product on surfaces that have not set yet.  
-Since it contains cement, its dust must not be inhaled. Avoid contact with skin and eyes. In case of contact, wash your skin/eyes with plenty of

water. Use protective equipment such as mask, gloves etc. during the works.

**Application tools**

Brush, 20 rolls of plastic

**Application**

-The container in which the mortar will be prepared must be clean and cleared of the remnants of the previous mixture.  
-It is necessary pay attention to cleanliness of the water and materials used.  
-Pour 25 kg powder mortar slowly into 8.5-9 l water for brush application, or 5.5-6 l water for trowel application, and mix until no lump appears.  
-A low speed mixer must be used to obtain a homogeneous mixture.  
-After a homogeneous mixture has been obtained, the mortar is left to mature for 5-10 minutes. Before starting the application, the mixture must be remixed for 1-2 minutes.  
-After the mixture has become homogeneous, never add powder, water or another material.  
-Spread the prepared mortar neatly on the surface with brush or trowel.  
-The prepared mortar must be applied on the surface in at least 2 coats 90-degree to each other with roller or brush. It is necessary to wait for 5-6

hours between the coats depending on the temperature, but this period must not exceed 24 hours.  
-The second coat must be applied before the first coat dries completely, and if the first coat has dried, the surface must be moistened slightly again before applying the second coat. Totally 2-3 mm application thickness will be sufficient. This thickness can be obtained in single coat application with trowel.  
-During the application, the corners must be rounded after the first coat, and the second coat must be applied on such rounded parts.  
-After the second coat has been applied, the surface must be protected against sunlight, rain, dust and quick dry for 1 day. Do not apply this product under direct sunlight.  
-It is recommended to use net between two coats during the application. -The mixture in the container must be consumed in 1 hour, and if this period has been exceeded, the mortar must not be used.  
-Since it is a product applied finely, it must be clad with a protective coating material such as screed, ceramic. It is

**Storage conditions**

-It is necessary to take care not to put more than 10 Kraft bags on top of each other in storage. This product must be stored in dry indoor areas away from direct sunlight. Bags must be stored so as not to contact with the ground in order them to be protected against humid.  
-Under such conditions, the product can be stored for 12 months as of the production date.  
-Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product

## Arkim ARSEAL SET 3311

**Definition**

Cement-based, double-component, semi elastic water insulation mortar containing additives providing water impermeability through acrylic dispersion.

**Area of application**

-Indoor and outdoor horizontal and vertical applications,  
-Permanently wet areas like pool,  
-Water tanks, wet areas (bathroom, kitchen, WC),  
-Small-scale terraces, balconies,  
-Foundation, shear and retaining walls,  
-Surfaces like concrete, plaster, screed.

**Application features**

-Using time: Max. 2 hours  
-Workable period: Max. 20 minutes  
-Time to wait between layers: 6 hours  
-Time to wait for ceramic application: 3 days  
-Time to commission: 7 days

**Surface preparation**

-The application surfaces must be cleared of loose layers, dust, dirt and oil decreasing the adherence. It is necessary to take care that the application surface is robust and cured.  
-Any irregularities and cracks on the application

surfaces, if any, must be repaired with ARKIM ARREPAIR THIN or ARKIM ARREPAIR THICK reinforced with ARKIM ARLATEX.  
-It is necessary to saturate the application surface with water, and keep it moist throughout the application. ARKIM ARASTAR must be used to obtain better result.

**Application conditions**

-Ambient temperature should be between +5°C and +35°C  
-Do not apply on frozen, melting surfaces.

**Warnings and advices**

-Do not apply this product when it is too hot, under direct sunlight, under the weather conditions such as high wind, fog, high relative humidity, or when rain is anticipated.  
-Do not add any additive to the powder mortar other than its own liquid component.  
-Pay attention to the product storing conditions. Do not keep the product in humid or very hot places.  
-Do not apply this product on surfaces that have not set yet.  
-Wear protective gloves, goggles and clothing during the application. Avoid contact with eyes and skin. In case of contact with skin, wash the contact region with plenty of water and soap.

In case of contact with eyes, wash the eyes immediately with plenty of water and seek medical assistance. Keep away from the children. Do not swallow the product nor use empty packages to store drinking water.

**Application tools**

Hand mixer, trowel, brush, roller

**Application**

-Place 7 kg of component B into a clean plastic container. 20 kg. Add 20 kg of component A to the liquid slowly, and mix them to have no lump preferably with a low-speed mixer.  
-Leave the mortar to mature for 5 minutes, and mix it again before starting the application.  
-The prepared mortar must be applied on the surface in at least 2 coats 90-degree to each other with roller or brush. It is necessary to wait for 5-6 hours between the coats depending on the temperature, but this period must not exceed 24 hours.  
-The second coat must be applied before the first coat dries completely, and if the first coat has dried, the surface must be moistened slightly again before applying the second coat. Totally 2-3 mm application thickness will be sufficient.  
-During the application, the corners must be rounded after the first coat, and the second coat

must be applied on such rounded parts.  
-After the second coat has been applied, the surface must be protected against sunlight, rain, dust and quick dry for 3 days. Do not apply this product under direct sunlight.  
-It is recommended to use net between two coats during the

**Storage conditions**

-Powder Component:  
-It is necessary to take care not to put more than 10 Kraft bags on top of each other in storage.  
-This product must be stored in dry indoor areas away from direct sunlight. Bags must be stored so as not to contact with the ground in order them to be protected against humid.  
-Under such conditions, the product can be stored for 12 months as of the production date.  
-Liquid Component:  
-Can be stored for 12 months in its original packaging in a dry and cool ambient with an ambient temperature between 5°C and +35°C. Must be protected against sun and frost. Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

General information	
Physical form	Gray, powder
Shelf life	See storage conditions
Packaging	25 kg kraft bag Pallet: 64 pieces of 1600 kg in total
Application features	
Application temperature Between	+5° C and +35° C
Mixture ratio	8.5 - 9 L water/25 kg powder (brush) 5.5 - 6 L water/25 kg powder (trowel)
Application thickness	2-3 mm
Using time max.	90 minutes
Workable period max.	10 minutes
Time to wait between layers	6 hours
Time to wait for ceramic application	4-5 days
Time to open the floor to foot traffic	7 days Consumption 2 - 3 kg/m² (for 2 mm thickness)
Performance details	
Tensile/adhesion strength after keeping in limewater	≥0.5 N/mm²
Initial tensile/adhesion strength	≥0.5 N/mm²
Tensile/adhesion strength after water submersion	≥0.5 N/mm²
Tensile/adhesion strength after thermal aging	≥0.5 N/mm²
Tensile/adhesion strength after freeze-thaw cycles	≥0.5 N/mm²
Watertightness	≤ 20 g
Crack bridging	≥ 0.75 mm
Temperature resistance Between	-30°C and +60°C
Note: The application features have been determined in consequence of the tests conducted in laboratory environment (23 ± 2 °C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients.	

**Reference standards**

TS EN 14891/CM/  
Class: CM (Cement-based, single component waterproofing insulation mortar)  
CE  
Ministry of Public Works Pos. No: Gray : 04/477/2

General information	
Physical form	Gray powder, Liquid component
Shelf life	See storage conditions Packaging 20 kg Kraft bag; 64 bags on pallet, 1280 kg 7 kg plastic container
Application features	
Application temperature Between	+5° C and +35° C
Mixture ratio	7 L liquid/20 kg powder
Application thickness	1-2 mm
Using time max.	2 hours
Workable period max.	20 minutes T
ime to wait between layer	6 hours
Time to wait for ceramic application	3 days
Time to open the floor to foot traffic	7 days Consumption 1.5 - 2 kg/m² (for 1 mm thickness)
Performance details	
Tensile/adhesion strength after keeping in limewater	≥0.5 N/mm²
Initial tensile/adhesion strength	≥0.5 N/mm²
Tensile/adhesion strength after water submersion	≥0.5 N/mm²
Tensile/adhesion strength after thermal aging	≥0.5 N/mm²
Tensile/adhesion strength after freeze-thaw cycles	≥0.5 N/mm²
Watertightness	≤ 20 g
Crack bridging	≥ 0.75 mm
Temperature resistance Between	-30°C and +60°C
Note: The application features have been determined in consequence of the tests conducted in laboratory environment (23 ± 20°C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients	

**Reference standards**

TS EN 14891/CM/  
Class: CMP (Cement-based, two component waterproofing insulation mortar)  
CE  
Ministry of Public Works Pos. No: Gray : 04/477/2

Arkim ARSEAL SET PLUS 3322



Definition

Cement-based, double-component, extra elastic water insulation mortar containing additives providing water impermeability through acrylic dispersion.

Area of application

- Indoor and outdoor horizontal and vertical applications,
- Permanently wet areas like pool,
- Water tanks, wet areas (bathroom, kitchen, WC),
- Terraces, balconies, -Surfaces exposed to mobility (foot-load traffic, flexion),
- Small-scale terraces, balconies,
- Seawater channels,
- Places to be protected against saltwater,
- Pedestrian walkways near the sea,
- Foundation, shear and retaining walls,
- Surfaces like concrete, plaster, screed.

Application features

- Using time: Max. 2 hours
- Workable period: Max. 20 minutes
- Time to wait between layers: 6 hours
- Time to wait for ceramic application: 3 days
- Time to commission: 7 days

Surface preparation

- The application surfaces must be cleared of loose layers, dust, dirt and oil decreasing the adherence. It is necessary to take care that the application surface is robust and cured.
- Any irregularities and cracks on the application surfaces, if any, must be repaired with ARKIM ARREPAIR THIN or ARKIM ARREPAIR THICK reinforced with ARKIM ARLATEX.
- It is necessary to saturate the application surface with water, and keep it moist throughout the application. ARKIM ARASTAR must be used to obtain better result.

Application conditions

- Ambient temperature should be between +5 °C and +35°C
- Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours.
- Do not apply on surfaces under direct sun or strong wind, or hot surfaces.

Warnings and advices

- Do not apply this product when it is too hot, under direct sunlight, under the weather conditions such as high wind, fog, high relative humidity, or when rain is anticipated.

- Do not add any additive to the powder mortar other than its own liquid component.
- Pay attention to the product storing conditions. Do not keep the product in humid or very hot places.
- Do not apply this product on surfaces that have not set yet.
- Wear protective gloves, goggles and clothing during the application. Avoid contact with eyes and skin. In case of contact with skin, wash the contact region with plenty of water and soap. In case of contact with eyes, wash the eyes immediately with plenty of water and seek medical assistance. Keep away from the children. Do not swallow the product nor use empty packages to store drinking water

Application

- Place 7 kg of component B is into a clean plastic container. Add 20 kg of component A to the liquid slowly, and mix them to have no lump preferably with a low-speed mixer.
- Leave the mortar to mature for 5 minutes, and mix it again before starting the application.
- The prepared mortar must be applied on the surface in at least 2 coats 90-degree to each other with roller or brush. It is necessary

- to wait for 5-6 hours between the coats depending on the temperature, but this period must not exceed 24 hours.
- The second coat must be applied before the first coat dries completely, and if the first coat has dried, the surface must be moistened slightly again before applying the second coat. Totally 2-3 mm application thickness will be sufficient.
- During the application, the corners must be rounded after the first coat, and the second coat must be applied on such rounded parts.
- After the second coat has been applied, the surface must be protected against sunlight, rain, dust and quick dry for 3 days. Do not apply this product under direct sunlight.
- It is recommended to use net between two coats during the application. It is necessary to wait for no less than 7 days before commissioning or coating the areas where this product was applied.

Storage conditions

- Powder Component: -It is necessary to take care not to put more than 10 Kraft bags on top of each other in storage.
- This product must be stored in dry indoor areas away from direct sunlight. Bags must be stored so as not to contact with the ground in order them to be protected against humid.
- Under such conditions, the product can be stored for 12 months as of the production date.
- Liquid Component:
  - Can be stored for 12 months in its original packaging in a dry and cool ambient with an ambient temperature between 5°C and +35°C. Must be protected against sun and frost. Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

Arkim ARSEAL CRYSTAL 3244



Definition

Cement-based, single component, crystallized water insulation mortar that is resistant to negative and positive water

Area of application

- It is used in negative and positive water insulations of all new and old structurally strong concrete surfaces in the spaces listed below:
- Basements -Swimming pools and water tanks
- Sewer system and wastewater treatment facilities
- Tunnels and bridges
- Elevator shafts
- Foundation, shear and retaining walls
- Wet areas like bathroom, shower, toilet

Application features

- Application thickness: 2-3 mm
- Using time: Max. 20 minutes -Workable period: Max. 5 minutes
- Time to wait between layers: 6 hours
- Time to wait for earth fill: 7 days
- Time to fill water tanks with water: Min. 7 days under positive pressure and min. 14 days under negative pressure.
- Time to commission: 14 days

Surface preparation

- The application surfaces must be cleared of loose layers, dust, dirt and oil decreasing the

- adherence.
- Clear the faulty areas on the concrete surface such as cracks, capillary cracks and segregation by opening them by breaking their surroundings.
- Apply ARKIM ARSEAL CRYSTAL to such opened and cleared areas as described below, and then repair them with ARKIM ARREPAIR THIN and ARKIM ARREPAIR THICK.
- Saturate the surface with water thoroughly before the application. Take care to keep the surface moist but not wet during the application

Application conditions

- Ambient temperature should be between +5 °C and +35°C
- Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours.
- Do not apply on surfaces under direct sun or strong wind, or hot surfaces.

Warnings and advices

- Do not apply this product when it is too hot, under direct sunlight, under the weather conditions such as high wind, fog, high relative humidity, or when rain is anticipated.
- Pay attention to the product storing conditions. Do not keep the product in humid or very hot places.
- Since it contains cement, its dust must not be inhaled. Avoid contact with skin and eyes. In case of contact, wash your skin/eyes with

- plenty of water. Use protective equipment such as mask, gloves etc. during the works.

Application tools

- Hand mixer, trowel, brush, roller

Application

- The container in which the mortar will be prepared must be clean and cleared of the remnants of the previous mixture.
- It is necessary pay attention to cleanliness of the water and materials used.
- Pour 20 kg powder mortar into 7-7.5 l water for brush application, or 12-12.5 l water for sprayer application, and mix until no lump appears.
- A low speed mixer must be used to obtain a homogeneous mixture. -Stir the mortar frequently during the application to preserve its viscosity.If the mortar thickens, never add water, but instead, stir the mortar to ensure workability again.
- Do not prepare more mortar than you can consume within maximum 20 minutes. Discard the mortar the usage period of which is over.
- Apply the prepared mortar in 2 coats by means of brush or sprayer. Apply the second coat at 90 degrees to the first coat and when the first coat is sufficiently hard but sill humid.
- Keep the surface humid for 5 days after the application, and prevent it from drying. Protect

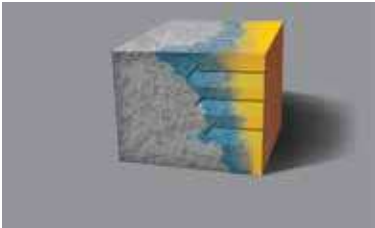
- the surface against the external impacts such as direct sunlight, wind, frost, etc. throughout the abovementioned period. You can protect the application surface from wind and direct sunlight by means of a polyethylene cover.
- In case of surfaces that may be subjected to mechanical impacts, a protective coat like ceramic must be applied on ARKIM ARSEAL CRYSTAL.
- ARKIM ARSEAL CRYSTAL must not be left exposed in areas open to foot traffic, but instead, it must be protected with screed, ceramic coating or industrial floor coating.

Storage conditions

- It is necessary to take care not to put more than 10 Kraft bags on top of each other in storage.
- This product must be stored in dry indoor areas away from direct sunlight.
- Bags must be stored so as not to contact with the ground in order them to be protected against humid.
- Under such conditions, the product can be stored for 12 months as of the production date.
- Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

General information	
Physical form	Gray powder, liquid component
Shelf life	See storage conditions
Packaging	20 kg kraft bag; 64 bags on pallet, 1280 kg 9 kg plastic container.
Application features	
Application temperature Between	+5° C and +35°C
Mixture ratio	9 L liquid/20 kg powder
Application thickness	1-2 mm
Using time max.	2 hours
Workable period max.	20 minutes
Time to wait between layers	6 hours
Time to wait for ceramic application	3 days
Time to open the floor to foot traffic	7 days Consumption 1,5 - 2 kg/m2 (for single coat)
Performance details	
Tensile/adhesion strength after keeping in limewater	≥0,5 N/mm²
Initial tensile/adhesion strength	≥0,5 N/mm²
Tensile/adhesion strength after water submersion	≥0,5 N/mm²
Tensile/adhesion strength after thermal aging	≥0,5 N/mm²
Tensile/adhesion strength after freeze-thaw cycles	≥0,5 N/mm²
Watertightness	≤ 20 g
Crack bridging	≥ 0,75 mm
Temperature resistance Between	-30 °C and +60 °C
Note: The application features have been determined in consequence of the tests conducted in laboratory environment (23 ± 2 °C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients.	
Reference standards	
TS EN 14891/CM / Class: CMP (Cement-based, two component waterproofing insulation mortar )	
CE	
Ministry of Public Works Pos. No: Gray : 04477/2	

General information	
Physical form	Gray, powder
Shelf life	See storage conditions
Packaging	25 kg Kraft bag Pallet 64 pieces of 1600 kg in total
Application features	
Application temperature Between	+5° C and +35°C
Mixture ratio	7 - 7,5 L water/25 kg powder (brush) 12- 12,5 L water/25kg powder (trowel)
Application thickness	2-3 mm
Using time max.	90 minutes
Workable period max.	5 minutes
Time to wait between layers	6 hours
Time to wait for earth fill	7 days
Time to fill water tanks with water Min.	7 days under positive pressure Min. 14 days under negative pressure.
Time to open the floor to foot traffic	14 days Consumption 2 - 3 kg/m2 (for 2 mm thickness)
Note: The application features have been determined in consequence of the tests conducted in laboratory environment (23 ± 2.0 C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients.	
Reference standards	
Ministry of Public Works Pos. No: 04477/2	





Arkim ARSEAL ACRYLIC 3111 Q2



**Definition**  
Elastomeric resin based, ready-to-use, super elastic, single component water insulation material.

**Area of application**  
-It is used on vertical or horizontal surfaces, on floors and walls of wet areas such as bathrooms, wc, balconies, on reinforced concrete terrace or balcony floors, Silos, storages and exteriors of buildings, Inclined hidden streams.

**Surface preparation**  
-The application surfaces must be cleared of loose layers, dust, dirt and oil decreasing the adherence. It is suggested to strengthen the surfaces dusting of which cannot be eliminated by applying screed. It is necessary to take care that the application surface is robust and cured.  
-If there are faults and cracks on the application surface, it is necessary to repair them with ARKIM ARREPAIR THIN  
-ARKIM ARREPAIR THICK or ARKIM ARSEAL that is turned into paste by mixing with fine sand in the ratio of 1:4.  
-Prior to application, the surface must be primed

with ARKIM ARSEAL ACRYLIC Q2 thinned with water in the ratio of 1:2.

**Application Conditions**  
-Ambient temperature between +5 °C and +30°C,  
-It should not be applied on surfaces that are frozen, melting or where there is a danger of frost within 24 hours.  
- It should not be applied under direct sun, strong wind or on hot surfaces.

**Application conditions**  
-Ambient temperature should be between +5°C and +30° C  
-Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours.  
-Do not apply on surfaces under direct sun or strong wind, or hot surfaces.

**Warnings and advices**  
-Do not apply this product on surfaces that have not set yet.  
-Do not apply this product when it is too hot, under direct sunlight, under the weather conditions such as high wind, fog, high relative humidity, or when rain is anticipated.

-Pay attention to the product storing conditions. Do not keep the product in humid or very hot places.  
-Wear protective gloves, goggles and clothing during the application. Avoid contact with eyes and skin. In case of contact with skin, wash the contact region with plenty of water and soap. In case of contact with eyes, wash the eyes immediately with plenty of water and seek medical assistance. Keep away from the children. Do not swallow the product nor use empty packages to store drinking water.

**Application tools**  
Brush, plastic roller of 20

**Application**  
The insulation material must be mixed prior to the application, applied in 3 coats (0,75-1 mm mm) in case of horizontal application, or 2 coats (0-0,75mm) in case of vertical application by means of brush or roller.  
-It is necessary to wait for 4 hours between the coats, depending on the temperature.

-If the application is paused, the insulation material package must be kept closed.  
-In reinforcement of wide surfaces and bridging of the junctures such as parapet corners, chimney flashing and of the cracks, ARKIM ARSEAL ACRYLIC Q2 must be applied together with its special insulation filter. This process must be applied after priming.  
-The surfaces exposed to foot and load traffics must be clad with a protective coating material such as screed, ceramic.

**Storage conditions**  
- Can be stored for 12 months in its original packaging in a dry and cool ambient with an ambient temperature between 5°C and +35°C. Must be protected against sun and fros. thnappropriate storage conditions or exceeding the period of use may deteriorate the qualities of the product.

General information	
Physical form	Whiteor Gray, Liquid component
Shelf life	See storage conditions
Packaging	20 kg plastic container 18 and 36 pieces in crate
Application features	
Application temperature Between	+5 °C and +35 °C
Mixture ratio	Do not mix
Application thickness	1,5-2 mm
Time to touch	2 hours Elastic 400%
Time to wait between layers	3-4 hours
Time to wait for ceramic application	7 days
Time to open the floor to foot traffic	7 days
Consumption	1,25 - 1,5 kg/m2 (for 2-3 coats)
Performance details	
Tensile/adhesion strength after keeping in limewater	≥0,5 N/mm <sup>2</sup>
Initial tensile/adhesion strength	≥1 N/mm <sup>2</sup>
Tensile/adhesion strength after water submersion	≥1 N/mm <sup>2</sup>
Tensile/adhesion strength after thermal aging	≥0,5 N/mm <sup>2</sup>
Tensile/adhesion strength after freeze-thaw cycles	≥0,5 N/mm <sup>2</sup>
Watertightness	≤ 20 g
Crack bridging	≥ 2 mm
Temperature resistance Between -	30 °Cand +60 °C
Not: The application features have been determined in consequence of the tests conducted in laboratory environment (23 ± 20 C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients	
Reference standards	
TS EN 14891/DMP / Class: CM(Single component elastomeric waterproofing mortar based resin)	
CE	
Ministry of Public Works Pos. No.: 04/477/2	

Arkim ARSEAL ACRYLIC 3111 Q3



**Definition**  
Definition Elastomeric resin based, ready-to-use, super elastic, single component water insulation material.

**Application features**  
-Application thickness: 1,5-2 mm  
-Time to wait between layers: 3-4 hours  
-Time to touch: 2 hours  
-Time to wait for ceramic application: 7 days  
-Time to commission: 7 days 200% elastic.  
-Paintable.

**Area of application**  
-It is used on vertical or horizontal surfaces, on floors and walls of wet areas such as bathrooms, wc, balconies, on concrete terrace or balcony reinforced floors, Silos, storages and exteriors of buildings, Inclined hidden streams.

**Surface preparation**  
-The application surfaces must be cleared of loose layers, dust, dirt and oil decreasing the adherence. It is suggested to strengthen the surfaces dusting of which cannot be eliminated by applying screed. It is necessary to take care that the application surface is

robust and cured.  
-If there are faults and cracks on the application surface, it is necessary to repair them with ARKIM ARREPAIR THIN  
-ARKIM ARREPAIR THICK or ARKIM ARSEAL ACRYLIC Q3 that is turned into paste by mixing with fine sand in the ratio of 1:4.  
-Prior to application, the surface must be primed with seyreltilmiş ARKIM ARSEAL ACRYLIC Q3 thinned with water in the ratio of 1:2.

**Application conditions**  
-Ambient temperature should be between +5°C and +30° C  
-Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours.  
-Do not apply on surfaces under direct sun or strong wind, or hot surfaces.

**Warnings and advices**  
-Do not apply this product on surfaces that have not set yet.  
-Do not apply this product when it is too hot, under direct sunlight, under the weather conditions such as high wind, fog, high relative humidity, or when rain is anticipated.  
-Pay attention to the product storing

conditions. Do not keep the product in humid or very hot places.  
-Wear protective gloves, goggles and clothing during the application. Avoid contact with eyes and skin. In case of contact with skin, wash the contact region with plenty of water and soap. In case of contact with eyes, wash the eyes immediately with plenty of water and seek medical assistance. Keep away from the children. Do not swallow the product nor use empty packages to store drinking water.

**Application tools**  
Brush, roller

**Application**  
-The insulation material must be mixed prior to the application, applied in 3 coats (1-1,25mm) in case of horizontal application, or 2 coats (0,75-1 mm) in case of vertical application by means of brush or roller.  
-It is necessary to wait for 4 hours between the coats, depending on the temperature.  
-If the application is paused, the insulation material package must be kept closed.  
-In reinforcement of wide surfaces and bridging of the junctures such as parapet corners, chimney flashing and of the cracks, ARKIM ARSEAL ACRYLIC Q3 must be applied

together with its special insulation filter. This process must be applied after priming.  
-The surfaces exposed to foot and load traffics must be clad with a protective coating material such as screed, ceramic.  
**Consumption**  
for a dry film thickness of 1.5 mm ,should be applied as approximately 1-1.25 kg/m2.

**Performance details**  
Color White density 1,2 Kg/Lt bond strength≥ 1,0 N/mm2 crack bridging≥ 2 mm (+20 °C), ≥ 1 mm (-5 °C) capillary water absorption ≤ 0,1 kg/(m²h0,5) elongation at break% 200

General information	
Physical form	White, Liquid component
Shelf life	See storage conditions
Packaging	20 kg plastic container 18 and 36 pieces in crate
Application features	
Application temperature Between	+5° C and +35°C
Mixture ratio	Do not mix
Application thickness	1,5-2 mm
Time to touch	2 hours Elastic 600%
Time to wait between layers	2-3 hours
Time to wait for ceramic application	7 days
Time to open the floor to foot traffic	7 days
Consumption	1,5 - 2 kg/m2 (for 2-3 coats)
Performance details	
Tensile/adhesion strength after keeping in limewater	≥0,5 N/mm <sup>2</sup>
Initial tensile/adhesion strength	≥1 N/mm <sup>2</sup>
Tensile/adhesion strength after water submersion	≥0,5 N/mm <sup>2</sup>
Tensile/adhesion strength after thermal aging	≥0,5 N/mm <sup>2</sup>
Tensile/adhesion strength after freeze-thaw cycles	≥0,5 N/mm <sup>2</sup>
Watertightness	≤ 20 g
Crack bridging	≥ 2 mm
Temperature resistance Between -	30 °Cand +60°C
Not: The application features have been determined in consequence of the tests conducted in laboratory environment (23 ± 20 C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. Performance information has been tested in the environments specified in accordance with the relevant standard of the product, and results may differ in different ambients.	
Reference standards	
TS EN 14891/DW / Class: CM(Single component elastomeric waterproofing mortar based resin)	
CE	
Ministry of Public Works Pos. No.: 04/509	

## Arkim ARSEAL ACRYLIC UV 3122 Q1



### Description

- Elastomeric resin based, ready to use, UV resistant, super elastic, one component waterproofing material.
- It is used in waterproofing of inclined terrace roofs,
- Outdoors and on vertical and horizontal applications,
- On edges of concrete, sheet, chimney, gutter and parapet,
- On the northern facades of silos, warehouses and buildings.

### Application Features

- Application thickness: 1.5-2 mm
- Waiting period between layers: 2-3 hours
- Touching period: 2 hours
- Time to wait for ceramic application: 7 days
- Commissioning period: 7 days
- Highly resistant to UV rays.
- 600% elastic. - Can be painted.

### Surface Preparation

- The application surfaces must be cleared of loose layers, dust, dirt and oil decreasing the adherence. It is recommended to strengthen the surface by pouring screed on the surfaces where dust cannot be removed.

- It is necessary to take care that the application surface is robust and cured.
- If there are any defects and cracks on the application surface, they must be leveled with ARIM ARREPAIR THIN
- ARIM ARREPAIR THICK which became a paste by being mixed with ARKIM ARREPAIR THIN
- ARKIM ARREPAIR THICK or fine sand at the rate of 1:4.
- Prior to application, the surface must be primed with ARKIM ARSEAL ACRYLIC UV thinned with water in the ratio of 1:2.
- Application Conditions
- Ambient temperature must be between +5°C and +30°C.
- Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours.
- Do not apply on surfaces under direct sun or strong wind, or on hot surfaces.

### Application Tools

Brush, plastic roller of 20

### Warnings and Recommendations

- Do not apply on surfaces that have not set yet.
- Do not apply this product when it is too

- hot, under direct sunlight, under the weather conditions such as high wind, fog, high relative humidity, or when rain is anticipated.
- Pay attention to the product storing conditions. Do not store the products in humid and very hot environments.
- Wear protective gloves, goggles and clothing during the application. Avoid eye and skin contact. In case of skin contact, wash with plenty of water and soap. In case of eye contact, wash with plenty of water and immediately seek medical advice. Keep out of reach of children. Do not swallow, do not use empty packages to store drinking water.

### Application

- The insulation material must be mixed before application and applied in 3 (1.5-2 mm) layers horizontally and 2 layers (1-1.5 mm) vertically by brush or roller.
- It is necessary to wait for 4 hours between the layers, depending on the temperature.
- When the application is paused, the insulation material package must be kept closed.
- It must be applied with ARKIM ARSEAL ACRYLIC UV special insulation netting for strengthening of wide surfaces, and bridging joints and cracks such as parapet corners,

- skylights, chimney bottoms. This must be done after the primer coat application.
- The surfaces exposed to foot and load traffics must be coated with a protective coating material such as screed or ceramic.

### Storage conditions

- The products can be stored for 12 months as of the production date, provided that it is stored in a dry and cool environment between 5°C and 35°C degrees without opening its container. Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

General information	
Physical form	White, Liquid component
Shelf life	See storage conditions
Packaging	20 kg plastic container 18 and 36 pieces in crate
Application features	
Application temperature Between	+5 °C and +35 °C
Mixture ratio	Do not mix
Application thickness	1,5-2 mm
Time to touch	2 hours Elastic 600%
Time to wait between layers	2-3 hours
Time to wait for ceramic application	7 days
Time to open the floor to foot traffic	7 days
Consumption	1,25 - 1,5 kg/m2 (for 2-3 coats)
Performance details	
Tensile/adhesion strength after keeping in limewater	≥0,5 N/mm²
Initial tensile/adhesion strength	≥1 N/mm²
Tensile/adhesion strength after water submersion	≥0,5 N/mm²
Tensile/adhesion strength after thermal aging	≥0,5 N/mm²
Tensile/adhesion strength after freeze-thaw cycles	≥0,5 N/mm²
Watertightness	≤ 20 g
Crack bridging	≥ 0,75 mm
Temperature resistance Between	-30°C and +60°C
Note: The application features have been determined in consequence of the tests conducted in laboratory environment (23 ± 2°C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients. Reference standard	
Reference standards	
TS EN 14891/DMP / Class: CM(Single component elastomeric waterproofing mortar based resin)	
CE	
Ministry of Public Works Pos. No.: 04/477/2	

## Arkim ARSEAL BITUMEN 2K 3833



### Description

- Polymer modified bitumen rubber based,
- two component, solvent free, high strength and elastic waterproofing material.

### Application Field

- It is used for waterproofing all kinds of reinforced concrete structures under and above the ground with a thick layered coating against water and moisture penetration caused by water leakage
- Waterproofing under cement-based screeds on wet volume floors and balconies
- Adhering light thermal insulation panels.

### Application features

- Can be applied with a brush or airless spray gun.
- Does not sag on vertical surfaces.
- It maintains its elasticity even at low temperatures.
- It can be applied on all mineral surfaces such as concrete, stone, brick, briquette.
- It provides waterproofing without joints, joints and against all kinds of water and moisture effects. -Solvent-free, non-flammable/non-flammable.
- Can be applied on dry and slightly damp surfaces.
- It bridges the shrinkage cracks.

### Surface Preparation

- The application surfaces must be cleared of loose layers, dust, dirt and oil preventing adherence. Maximum moisture content should not exceed 5%. New concrete structures should be allowed to dry for at least 28 days. Old coatings, dirt, oils, organic matter and dust need to be removed by mechanical grinding. Any loose surface parts and dust from grinding should be thoroughly removed. It is important to remove possible roughness on the surface. Any loose surface parts and dust from grinding should be thoroughly removed. The iron and wooden wedges on the surface should be removed and, if any, active water leaks and gaps, uneven surfaces and corner edges should be repaired with a suitable ARKIM ARREPAIR THIN or ARKIM ARREPAIR THICK repair mortar with a radius of at least 4 cm. Tie Rod holes should be opened on the shear walls and filled with polyurethane mastic.

### Application Conditions

- Ambient temperature must be between +5°C and +30°C.
- Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours.
- Do not apply on surfaces under direct sun or strong wind, or on hot surfaces.

### Warnings and Recommendations

- ARKIM ARSEAL BITUMEN 2K is a product that is applied positively, provides high adherence, and has high impact resistance. In ARKIM ARSEAL BITUMEN 2K applications, it should definitely be used together with insulation mesh. -
- In practice, if the ambient and surface temperature is below +5°C or above +30°C, suitable temperatures should be expected.
- ARKIM ARSEAL BITUMEN 2K should not be applied while it is raining. Working and reaction times of bitumen rubber based systems are affected by ambient and ground temperature and relative humidity in the air. The reaction slows down at low temperatures, which extends the pot life and working time. High temperatures accelerate the reaction and the times mentioned above are shortened accordingly. In order for the material to complete its curing, the ambient and ground temperature must not fall below the minimum allowable temperature. Incompletely cured areas should not be exposed to water. Especially in applications made in hot weather, the increase in consistency that may occur during the usage period due to rapid water loss can be eliminated by adding water at a rate not exceeding 3% of the material amount. The material which water is added should

- be used after mixing homogeneously. -For exterior applications, the surface must be protected from strong wind and frost for the first 24 hours.

### Application

Tools brush

### Application

- ARKIM ARSEAL BITUMEN 2K brush is applied to the ready-to-use surface, whose surface preparation has been completed. Packages should be protected against water, frost and severe weather conditions. Bags must be stored in a cool and dry condition on wooden pallets. Exploded or opened packages should be closed immediately and consumed in the first place. Maximum 3 buckets should be stacked on top of each other. Under proper storage conditions, the shelf life is 12 months from the date of manufacture. Opened packages should be kept tightly closed and stored under appropriate storage conditions.

### Storage conditions

- The products can be stored for 12 months as of the production date, provided that it is stored in a dry and cool environment between 5°C and 35°C degrees without opening its container. Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

General Information	
Appearance	Brown/Black (Paste Consistency)
Shelf life	See storage conditions
Package	22 kg plastic bucket + 8 kg powder
Application Features	
Application temperature Between	+5° C and +35° C
Consumption Average	3,5-4 kg/m² (in 2 coat applications)
Consumption	values are approximate; since there will be differences depending on the pore and cavity structure of the surface, final consumption shall be certain after the completion of the work.
Performance Information	
Application Temperature Between	+5°C and +30°C
Ratio of solid content	(A+B) 66%
Density	0,99± 0,05 kg/l pH 8,6 - 9,6
Viscosity	90 d Pas Use Period 120 min.
Curing Period	10-12hours
Drying Period	3 days
Note: The application features are obtained as a result of the experiments carried out in the laboratory environment (23°C and 50% relative humidity and no air flow) and may vary according to different ambient conditions. The performance information has been tested in the environment specified in accordance with the relevant standard of the product and results may differ in different environments.	
Reference Standards	
TS EN 15814+A2	
Ministry of Public Works Pos. No. 04/611	



Arkim ARSEAL BITUMEN 3822



**Description**  
Modified bitumen rubber based, single component, water based, extra elastic , high-covering water insulation

**Application**  
Field It is used for insulation and protection of concrete surfaces, against water pressure coming from outside, on curtain walls up to 20-25 meters, foundation and under foundation.

**Application Features**  
-Application thickness: 3-4 mm  
-Waiting time between coats: 14-16 hours  
-Full Drying Time: 3 days  
-Crack Bridging: 2 mm  
-Usage Time: Approximately 90-120 min. (23º C temperature and 50% humidity)  
- Application ground temperature: +5°C to +3°C -Time to wait for Soil Filling: 3 Days

**Surface Preparation**  
-The application surfaces must be cleared of loose layers, dust, dirt and oil preventing adherence. Maximum moisture content should not exceed 5%. New concrete structures should be allowed to dry for at least 28 days. Old coatings, dirt, oils, organic matter and dust need to be removed by

mechanical grinding. Any loose surface parts and dust from grinding should be thoroughly removed. It is important to remove possible roughness on the surface. Any loose surface parts and dust from grinding should be thoroughly removed. The iron and wooden wedges on the surface should be removed and, if any, active water leaks and gaps, uneven surfaces and corner edges should be repaired with a suitable ARKIM ARREPAIR THIN or ARKIM ARREPAIR THICK repair mortar with a radius of at least 4 cm. Tie Rod holes should be opened on the shear walls and filled with POLYMASTIC. Application conditions  
-Ambient temperature between +5°C and +30°C, -It should not be applied on surfaces that are frozen, melting or there is a danger of frost within 24 hours.  
- It should not be applied under direct sun, strong wind or on hot surfaces.

**Warnings and Suggestion**  
-In practice, if the ambient and surface temperature is below +5°C or above +30°C, proper temperatures should be waited. ARKIM ARSEAL BITUMEN should not be applied in rainy weather conditions. Working and reaction times of bitumen rubber based systems are affected by ambient and ground temperature and relative humidity

in the air. The reaction slows down at low temperatures, which extends the pot life and working time. In order for the material to complete its curing, the ambient and ground temperature must not fall below the minimum allowable temperature.  
- Incompletely cured areas should not be exposed to water.  
- Especially in applications made in hot weather, the increase in consistency that may occur during the usage period due to rapid water loss can be eliminated by adding water at a rate not exceeding 3% of the material amount. The material to which water is added should be used after mixing homogeneously.  
-For exterior applications, the surface must be protected from strong wind and frost for the first 24 hours.

**Application**  
Tools Apply with brush.

**Application**  
ARKIM ARSEAL BITUMEN ready-to use, is applied with a brush on the surface which surface preparation has been completed. Packages should be protected against water, frost and severe weather conditions. Bags must be stored in a cool and dry condition on wooden pallets. Exploded or opened packages should be closed immediately

and consumed in the first place. Maximum 3 buckets should be stacked on top of each other.

**Storage conditions**  
-The products can be stored for 12 months as of the production date, provided that it is stored in a dry and cool environment between 5°C and 35°C degrees without opening its container. Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

General Information	
Appearance	Dark brown (Black when dried)
Shelf life	See storage conditions
Packaging	15kg plastic bucket

Application Features	
Application Temperature Between	(+5°C) and (+35°C)
Consumption Average	3-4 kg/m² (in 2 coat applications)
Consumption	Values are approximate; since there will be differences depending on the pore and cavity structure of the surface, final consumption shall be certain after the completion of the work.

Performance Information	
Application Temperature Between	+5°C and +30°C
Ratio of Solid Content	58% ± 2
Density	1.06 ± 0.02 g/cm3
Viscosity	pH 9 ± 1
Heat Resistance	20000 ± 2500 mPas
Water Absorption	-15°C and +80°C
Water Vapor Permeability Sd	30 gr/m²h1/2
Breaking Elongation At Least	< 0.10
Tensile Strength	300%
Tensile Strength	0.45 N/mm²
Tensile Strength	0.45 N/mm²

Note: The application features are obtained as a result of the experiments carried out in the laboratory environment (23o C and 50% relative humidity and no air flow) and may vary according to different ambient conditions. The performance information has been tested in the environment specified in accordance with the relevant standard of the product and results may differ in different environments.

**Reference standards**  
TS EN 15814+A2  
Ministry of Public Works Pos. No: 04.611







[www.arkim.tc](http://www.arkim.tc)

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Arkım **ARLATEX**





Arkim ARLATEX 4111



Description

It is a synthetic rubber-based liquid additive used to increase the qualities of materials such as cement-based mortar, plaster, screed, and to increase their watertightness and elasticity.

Area of application

-It is used as an additive which increases flexibility, adherence and impermeability in any kinds of cement-based mortar, cement/lime-based plasters, adhesive materials of tile/ceramic/marble, and in production of base coat prior to plaster. -It is used for preparing abrasion,proof screed.

Application features

-It can be used with standard cement types. -When added, plasticizes cement-based mortars and eases the application of the mortar. -Prevents fast drying by increasing water holding capacity of the mortar, and shrinkage cracks. -Increases adherence to the application surfaces, enhances flexibility and resistance against aggressive materials, improves mechanical strength. -Increases abrasion resistance of the mortar, prevents dusting in screeds. -Increases frost-decomposition resistance, increases chemical resistance against diluted acidic and basic solutions, salt water and oil.

Surface preparation

-It is necessary to make sure that the surface has been cured, cleaned, freed of released particles, and robust. -Layers such as oil, grease, dirt, paint, grout, corrosion, salt efflorescence, etc. that will reduce the adherence must be cleared before the application.

Application conditions

-Ambient temperature should be between +5° C and +35° C -Sand to be used in the mixture must be clear, cement must be fresh and intact. -The surface to be worked on should be clean and solid, and freed from parts loosened or might get loosen, and should be moistened.

Warnings and advices

-Do not apply this product when it is too hot, under direct sunlight, under the weather conditions such as high wind, fog, high relative humidity, or when rain is anticipated. -Pay attention to the product storing conditions. Do not keep the product in humid or very hot places. -Do not apply this product on surfaces that have not set yet. -Wear protective gloves, goggles and clothing during the application. Avoid contact with eyes and skin. In case of contact with skin, wash the contact region with plenty of water and soap.

In case of contact with eyes, wash the eyes immediately with plenty of water and seek medical assistance. Keep away from the children. Do not swallow the product nor use empty packages to store drinking water.

Application

-Do not shake ARKIM ARLATEX too much in order to prevent excessive air intake. -Use ARKIM ARLATEX by adding it into the mixture water. -Mix ARKIM ARLATEX with water in a suitable container based on Mixture ratios recommended below for different purposes. -Put the prepared mixture in a concrete mixer, and add cement and fillers. It is recommended to mix cement and fillers in another container in order to prevent lump formation. -Mix the mortar until a homogeneous mixture is achieved. -Usage in Plaster Mortars: ARKIM ARLATEX/Water: Add mixture water that has been prepared at the rate of 1/4, in order to achieve plaster mortar. -Usage in Repair Mortars: ARKIM ARLATEX/Water: Add mixture water that has been prepared at the rate of 1/3, in order to achieve repair mortar. -Usage in Screeds: ARKIM ARLATEX/Water: Add the liquid that has been prepared at the rate of 1/2 into the mixture until the mixture is thickened. Apply the prepared mixture onto the surface with a thickness of 2 mm by means of a brush. Screed must be applied on this coat while the

coat is still wet. -For Preparing Screed: ARKIM ARLATEX/Water: Add adequate mixture water prepared at the rate of 1/4. -The caked mortar in the container or the mortar the using period of which is over must be discharged. -Wash your hands and application tools with plenty of water after the application. -Pay attention to the curing period of the mortar prepared by using ARKIM ARLATEX for applications made in non-appropriate conditions such as high temperature, low humidity, wind, etc. Fast evaporation may cause shrinkage, and thus surface cracks.

Storage conditions

Can be stored for 12 months in its original packaging in a dry and cool ambient with an ambient temperature between 5° C and +35° C. Must be protected against sun and frost. Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

General Information

Physical form	Liquid component
Shelf life	See storage conditions
Packaging	20 kg plastic container

Application features

Application temperature Between	+5° C and +35° C
Mixture ratio	Usage in Plaster Mortars: ARKİM ARLATEX/water: 1/4 ARKİM ARLATEX/water: 1/3 Usage in Screeds: ARKİM ARLATEX/water: 1/2 For Preparing Screed: ARKİM ARLATEX/water: 1/4
Usage in Repair Mortars:	

Performance details

Relative density	1,03 ± 0,03 g/cm³
Ph	8 - 10

Note: The application features have been determined in consequence of the tests conducted in laboratory environment (23 ± 2° C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients

Reference standards

Ministry of Public Works Pos. No: 04.6131/1





Arkım **ARREPAIR THIN**  
 Arkım **ARREPAIR THICK**  
 Arkım **ARREPAIR GROUT**  
 Arkım **ARKONTAK**





Arkim ARREPAIR THIN 5111



**Definition**  
Cement-based, polymer and fiber reinforced thin repair and leveling mortar.

**Area of application**  
-It is suitable for filling large cracks on the surfaces such as exposed concrete, prefabricated concrete, gas concrete, briquette, brick, repairing of peeled, dented, broken, cutoff surfaces up to 5-30 mm, and for plaster repairs. -It is used to obtain a smooth surface before painting, ceramic coating and insulation applications during the building renovation works.

**Application features**  
-Using period: Max. 6 hours  
-Workable period: Max. 60 minutes  
-Application thickness: 10-20mm  
-Applicable layer thickness: Max. 10 mm  
-Time to wait between layers: Min. 1 day

**Surface preparation**  
-The surfaces on which ARKIM ARREPAIR THIN will be applied must be cleared of dust, dirt, oil, etc. that prevent adherence.  
-The surface must be cleared of loose particles with low adherence.  
-It is necessary to make sure that the surface has been cured and robust.  
-The surface must be moistened before the application

**Application conditions**  
-Ambient temperature should be between +5°C and +35 °C  
-Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours.  
-Do not apply on surfaces under direct sun or strong wind, or hot surfaces.

**Warnings and advices**  
-Strictly avoid adding foreign substances.  
-After the application, all tools used must be washed with water before letting them dry. After the application, the surface must be moistened for 2-3 days.

**Application tools**  
Hand mixer, steel trowel, smoothing trowel, steel wire brush

**Application**  
-The container in which the mortar will be prepared must be clean and cleared of the remnants of the previous mixture.  
-It is necessary to pay attention to cleanliness of the water and materials used.  
-The mortar must be prepared by using 5,5-6 liters of water and 25 kg of ARKIM ARREPAIR THIN.  
-Firstly, water is poured into the container, and then the powder is added slowly. It is mixed until no lump appears.  
-A low speed mixer must be used to obtain a homogeneous mixture.

-After a homogeneous mixture has been obtained, it is let to settle for 5-10 minutes. Before starting the application, the mixture is remixed for 1-2 minutes.  
-After the mixture has become homogeneous, never add powder, water or another material.  
-The mortar must be filled into the cutoff, cracked, broken regions on the floor by applying pressure with steel trowel, and the surface must be coated.  
-In order to equalize the level of the coated surface, the last application must be performed uninterruptedly in one go so that the total thickness will not exceed 20 mm.  
-The surface must be smoothed with damp sponge.  
-After the application, the surface must be moistened at regular intervals for 24 hours.  
-The prepared mortar must be consumed within 60 minutes. -  
The caked mortar in the container or the mortar the using period of which is over must be discharged.  
-Wash your hands and application tools with plenty of water after the application.

**Storage conditions**  
-It is necessary to take care not to put more than 10 Kraft bags on top of each other in storage. -This product must be stored in dry indoor areas away from direct sunlight.  
-Bags must be stored so as not to contact with the ground in order them to be protected against

humid.  
-Under such conditions, the product can be stored for 12 months as of the production date.  
-Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product

Arkim ARREPAIR THICK 5122



**Definition**  
Cement-based, polymer and fiber reinforced thick repair and leveling mortar, contributes to heat and sound insulation.

**Area of application**  
-It is suitable for filling large cracks on the surfaces such as exposed concrete, prefabricated concrete, gas concrete, briquette, brick, repairing of peeled, dented, broken, cutoff surfaces up to 5-30 mm, and for plaster repairs.  
-It is used to obtain a smooth surface before painting, ceramic coating and insulation applications during the building renovation works

**Application features**  
Using period: Max. 6 hours  
-Workable period: Max. 60 minutes  
-Application thickness: 10-30mm  
-Applicable layer thickness: Max. 10 mm  
-Time to wait between layers: Min. 1 day

**Surface preparation**  
-The surfaces on which ARKIM ARREPAIR THICK will be applied must be cleared of dust, dirt, oil, etc. that prevent adherence.

-The surface must be cleared of loose particles with low adherence.  
-It is necessary to make sure that the surface has been cured and robust.  
-The surface must be moistened before the application.

**Application conditions**  
Ambient temperature should be between +5°C and +35°C  
-Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours.  
-Do not apply on surfaces under direct sun or strong wind, or hot surfaces.

**Warnings and advices**  
-Strictly avoid adding foreign substances. -After the application, all tools used must be washed with water before letting them dry. After the application, the surface must be moistened for 2-3 days.

**Application tools**  
Hand mixer, steel trowel, smoothing trowel, steel wire brush

**Application**  
-The container in which the mortar will be prepared must be clean and cleared of the remnants of the previous mixture.  
-It is necessary to pay attention to cleanliness of the water and materials used.  
-The mortar must be prepared by using 5,5-6 liters of water and 25 kg of ARKIM ARREPAIR THICK.  
-Firstly, water is poured into the container, and then the powder is added slowly. It is mixed until no lump appears.  
-A low speed mixer must be used to obtain a homogeneous mixture.  
-After a homogeneous mixture has been obtained, it is let to settle for 5-10 minutes. Before starting the application, the mixture is remixed for 1-2 minutes.  
-After the mixture has become homogeneous, never add powder, water or another material.  
-The mortar must be filled into the cutoff, cracked, broken regions on the floor by applying pressure with steel trowel, and the surface must be coated.  
-In order to equalize the level of the coated surface, the last application must be performed uninterruptedly in one go so that the total thickness will not exceed 30 mm.

-The surface must be smoothed with damp sponge.  
-After the application, the surface must be moistened at regular intervals for 24 hours.  
-The prepared mortar must be consumed within 60 minutes.  
-The caked mortar in the container or the mortar the using period of which is over must be discharged.  
-Wash your hands and application tools with plenty of water after the application.

**Storage conditions**  
-It is necessary to take care not to put more than 10 Kraft bags on top of each other in storage. -  
This product must be stored in dry indoor areas away from direct sunlight.  
-Bags must be stored so as not to contact with the ground in order them to be protected against humid. -Under such conditions, the product can be stored for 12 months as of the production date.  
-Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

Application features	
Application temperature Between	+5° C and +35°C
Mixture ratio	5,5-6 L water/25 kg powder
Using period Max.	6 hours
Workable period Min.	60 minutes
Application thickness	10-20 mm
Applicable layer thickness Max.	10 mm
Time to wait between layers 2	4 hours
Performance details	
Compressive strength	≥ 10 N/mm²
Adhesive strength	≥ 0,8 N/mm²
Capillary water absorption	≥ 0,5 kg/m2.dk0,5
Thermal compatibility:Freeze-thaw Crack.gen.	≤ 0,05mm
Thermal compatibility:Thermal shock Crack.gen.	≤ 0,05mm
Thermal compatibility:Dry cycling Crack.gen.	≤ 0,05mm
Temperature resistance	Between -30°C and +60 °C

Note: The application features have been determined in consequence of the tests conducted in laboratory environment (23 ± 20 C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients

Reference standards

TS EN 1504-3 / Class: R1  
Ministry of Public Works Pos. No: 04.613/31

General Information	
Physical form	Gray, powder
Shelf life	See storage conditions
Packaging 2	5 kg kraft bag Pallet: 64 pieces of 1600 kg in total
Application features	
Application temperature Between	+5° C and +35°C
Mixture ratio	5,5-6 L water/25 kg powder
Using period Max.	6 hours
Workable period Min.	60 minutes
Application thickness	10 - 30 mm
Applicable layer thickness Max.	10 mm
Time to wait between layers	24 hours
Performance details	
Compressive strength	≥ 10 N/mm²
Adhesive strength	≥ 0,8 N/mm²
Capillary water absorption	≥ 0,5 kg/m2.dk0,5
Thermal compatibility:Freeze-thaw Crack.gen.	≤ 0,05mm
Thermal compatibility:Thermal shock Crack.gen.	≤ 0,05mm
Thermal compatibility:Dry cycling Crack.gen.	≤ 0,05mm
Temperature resistance Between	-30°C and +60°C

Note: The application features have been determined in consequence of the tests conducted in laboratory environment (23 ± 20 C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients.

Reference standards

TS EN 1504-3 / Class: R1  
Ministry of Public Works Pos. No: 04.613/32



Arkim ARREPAIR GROUT 5411



**Definition**  
Cement-based, highly fluent, high-strength, nonshrink, watertight repair and anchor mortar.

**Area of application**  
-ARKIM ARREPAIR GROUT is used in steel structures, prefabricated buildings, machinery and crane mounting bases, which are exposed to dynamic effects and require high strength, foundation sockets, manufacturing wall and column caps, fixing steel columns on foundation, repairing the floors of reinforced concrete elements, fixing sprouted and anchor bars, and filling the gaps between old and new concretes.

**Application features**  
-Using period: Max. 45 minutes  
-Workable period: Max. 20 minutes  
-Application thickness: Min. 10 mm  
-Application thickness: Max. 70 mm  
-Time to wait between layers: Min. 3 hours  
-Time to take into service: 24 hours  
-Full curing time: 28 days

**Surface preparation**  
-The surfaces on which ARKIM ARREPAIR GROUT

will be applied must be cleared of dust, dirt, oil, etc. that prevent adherence. -  
The surface must be cleared of loose particles with low adherence. -  
-It is necessary to make sure that the surface has been cured and robust.  
-The application surface must be moistened and kept moist, but the excess water must be removed from the surface completely. -  
-In case of form applications, it is necessary to make sure that the forms are robust to prevent leakage during placement and curing of the mortar, and the application area must be protected from vibration until the mortar hardens

**Application conditions**  
-Ambient temperature should be between +5°C and +35°C  
-Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours.  
-Do not apply on surfaces under direct sun or strong wind, or hot surfaces.

**Warnings and advices**  
-Strictly avoid adding foreign substances.  
-After the application, all tools used must be

washed with water before letting them dry. -  
-After the application, the surface must be moist- ened for 2-3 days.  
-If the ambient temperature is below +8°C, the application floor must be covered, and the applied mortar must be kept at minimum +8°C.

**Application tools**  
Hand mixer, steel trowel, steel wire brush

**Application**  
-The container in which the mortar will be pre- pared must be clean and cleared of the remnants of the previous mixture.  
-It is necessary to pay attention to cleanliness of the water and materials used.  
-The mortar must be prepared by using 4,5-5 liters of water and 25 kg of ARKIM ARREPAIR GROUT.  
-Firstly, water is poured into the container, and then the powder is added slowly. It is mixed until no lump appears.  
-A low speed mixer must be used to obtain a homogeneous mixture.  
-After the mixture has become homogeneous, never add powder, water or another material.

-The fluid ARKIM ARREPAIR GROUT must be poured uninterruptedly from one side of the form prepared in advance; thus, air entrapment in the mixture must be prevented.  
-In order to ensure that all gaps in the form are filled, the placement must be made by using a hooked steel wire. Vibrator must never be used.  
-The mixture must be cured immediately after application. Insufficient curing might decrease the first expansion required to compensate the later shrinkage.  
-Wash your hands and application tools with plenty of water after the application.

**Storage conditions**  
-It is necessary to take care not to put more than 10 Kraft bags on top of each other in storage.  
-This product must be stored in dry indoor areas away from direct sunlight.  
-Bags must be stored so as not to contact with the ground in order them to be protected against humid.  
-Under such conditions, the product can be stored for 12 months as of the production date.  
-Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

General information	
Physical form	Gray, powder
Shelf life	See storage conditions
Packaging	25 kg Kraft bag Pallet: 64pieces of 1600 kg in total
Application features	
Application temperature Between	+5° C and +35°C
Mixture ratio	4,5-5 L. water/25 kg powder
Using period Max.	45 minutes
Workable period Max.	20 minutes
Application thickness	Min. 10mm, Max. 70 mm
Time to wait between layers Min.	3 hours
Time to take into service	24 hours
Full curing time	28 days
Consumption Approximately	20 kg/m² (for 10 mm thickness)

Performance details	
Compressive strength (1 days)	≥ 28 N/mm²
Compressive strength (7 days)	≥ 35 N/mm²
Compressive strength (28 days)	≥ 50 N/mm²
Adhesive strength ≥	2 N/mm²
Temperature resistance Between	-30 °C and +60 °C

Note: The application features have been determined in consequence of the tests conducted in laboratory environment (23 ± 20 C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients.

Reference standards

TS EN 1504-3 R4  
Ministry of Public Works Pos. No: 04613/33

Arkim ARKONTAK 5211



**Definition**  
It is a gross concrete primer that increases the adherence and working time of the leading surface in the application of cement or gypsum based plasters on acrylic resin-based exposed concrete surfaces (wall-ceiling).

**Area of application**  
-Cement- and particularly gypsum-based plaster applications -It is used as an adherence enhancer primer indoors and outdoors, in horizontal and vertical applications, on smooth and shiny surfaces such as ceramic, exposed concrete, briquette, gas concrete, sandstone, marble, clinker, plywood and on absorbent surfaces such as gypsum, concrete, plaster, screed, wooden and chipboard. Application features -Dry time: 60-90 minutes  
-Waiting period after application: 24 hours  
-Density: 1.4 g/cm3

**Surface preparation**  
It is necessary to take care that the application surface has been cured.  
-The application surface must be cleared of the anti-adhesive materials such as dust, moisture, paint, curing material, detergent, form oils, and silicon.

**Application conditions**  
-Ambient temperature should be between +5°C and +35 °C  
-Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours.  
-Do not apply on surfaces under direct sun or strong wind, or hot surfaces.

**Warnings and advices**  
-Strictly avoid adding foreign substances. -After the application, all tools used must be washed with water before letting them dry.  
- Mix the product at brief intervals during application

**Application tools**  
Hand mixer,plastick roller of 25

**Application**  
-Add 3-4 liters of water into 12 kg ARKIM ARKONTAK bucket, and mix with a low-speed mixer until obtaining a homogeneous mixture. -The thinned ARKIM ARKONTAK must be applied on the surface with textured roller.  
-This mixing is repeated continuously during the application.  
-After 24 hours, it can be coated with cement- or gypsum-based plasters.

**Storage conditions**  
-In original package in dry environments without freezing risk; take care not to place more than 5 buckets on top of each other.  
-This product must be stored indoors away from direct sunlight. Inappropriate storage or exceeding

the expiry date may deteriorate the properties of the product.  
-Under such conditions, the product can be stored for 12 months as of the production date.

General information	
Physical form	Red, Liquid component
Shelf life	See storage conditions.
Packaging	3-12-20 kg plastic bucket - 27 pieces on pallet 324 kg
Application features	
Application temperature Between	+5° C. and +35°C
Mixture ratio dilute	1/3 - 1/4 with water
Dry time	60 - 90 minutes
Waiting period after application	24 hours
Thinner Water Consumption Approximately	200-240 g/m² (for 0.2-0.4 mm thickness)
Performance details	
Density	1,40 g/cm³

Note: The application features have been determined in consequence of the tests conducted in laboratory environment (23 ± 2 0 C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients.





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06 | ARSELANS | Paint

- ARSELANS Ceiling Paint
- ARSELANS Ceiling Paint Plus
- ARSELANS Plastic Interior Wall Paint
- ARSELANS Silicone Interior Wall Paint
- ARSELANS Silicone Interior Wall Paint
- ARSELANS Silicone Semi Matte Interior Wall Paint
- ARSELANS Foil Paint
- ARSELANS Pearl Paint
- ARSELANS Silitech
- ARSELANS Akritech
- ARSELANS Silitech With Grain
- ARSELANS Silitech Pure Acrylic
- ARSELANS Arastar
- ARSELANS Izoastar
- ARSELANS Izoastar Ready
- ARSELANS Acrylic Putty
- ARSELANS Solvent Free Epoxy Primer
- ARSELANS Solvent Based Epoxy Paint
- ARSELANS Solvent Free Epoxy Paint
- ARSELANS Rapid Paint
- ARSELANS Road Marking Paint



ARSELANS CEILING 6020



**Description**  
- Acrylic emulsion based, white interior ceiling paint with matt, smooth appearance.

**Application Field**  
- It is formulated for ceiling surfaces on the internal facades of the buildings and it is not recommended to use for other applications

**Application Features**  
- First drying period: 1-2 hours  
- Second layer application: 4-5 hours  
- Final layer drying period: 24 hours

**Surface Preparation**  
- The application surfaces must be cleared from swollen and loose textured layers. Dust, oil, soot and dirt on the surface must be cleaned thoroughly and washed with water if necessary.

**Application Conditions**  
Application temperature must be between +5°C and +30°C.  
- Do not apply on frozen and melting surfaces, or surfaces likely to freeze within 24 hours.  
- Do not apply in areas with direct sun and strong wind.

**Warnings and Suggestions**  
- Strictly avoid adding foreign substances.  
- All tools used must be cleaned after the application.  
- Wait for 4 weeks in newly plastered surfaces.  
- S2 Keep out of reach of children.  
- S24/25 Avoid contact with skin and eyes.  
- S46 If swallowed, seek medical advice immediately.

**Application Tools**  
- Exterior facade roller and brush

**Application**  
- Dilute ARSELANS CEILING with 15-20% water by volume and mix thoroughly until it becomes homogeneous.  
- Apply with brush or roller in 2 coats. Wait for minimum 2 hours between the coats.  
- The temperature of the environment and the application surface must be min. +5°C for at least 24 hours during application  
- Application tools must be washed with water immediately after use.

**Storage conditions**  
- Can be stored for 12 months in its original packaging in a dry and cool ambient with an ambient temperature between +5°C and +35°C.

General information	
Physical form	White
Shelf life:	See storage conditions
Packaging 1	0-17,5 L plastic bucket
Application features	
Application temperature Between	+5°C and +35°C
Thinning: Brush and roller application	%10 - %15
Water Consumption	7,5-10 m² can be paid in single coat with 1 Kg depending on the type, absorbing power and structure of the surface
Performance details	
Brightness	G3 Matt
Particle Size Grade	S1 Thin
Coverage	Class 2 (6,5 m² /L consumption)
Wet scrub resistance:	Class 3
Resistance to mold growth	K2 General Purpose
Note: The application features have been determined in consequence of the tests conducted in laboratory environment (23°C and 50% 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients.	
Reference standards	
TS 5808	
G mark	
Ministry of Public Works Pos. No: 15.540.1222	

ARSELANS CEILING PLUS 6030



**Description**  
- Acrylic emulsion based, white interior ceiling paint with high coating power and matt, smooth appearance.

**Application Field**  
- It is formulated for ceiling surfaces on the internal facades of the buildings and it is not recommended to use for other applications.

**Application Features**  
- First drying period: 1-2 hours  
- Second layer application: 4-5 hours  
- Final layer drying period: 24 hours

**Surface Preparation**  
- The application surfaces must be cleared from swollen and loose textured layers. Dust, oil, soot and dirt on the surface must be cleaned thoroughly and washed with water if necessary.

**Application Conditions**  
- Application temperature must be between +5°C and +30°C.  
- Do not apply on frozen and melting surfaces, or surfaces likely to freeze within 24 hours.  
- Do not apply in areas with direct sun and strong wind.  
- Wait for 4 weeks in newly plastered surfaces. - S2 Keep out of reach of children. - S24/25 Avoid contact with skin and eyes.  
- S46 If swallowed, seek medical advice immediately.

**Application Tools**  
- Exterior facade roller and brush

**Application**  
- Dilute ARSELANS CEILING PLUS with 15-20% water by volume and mix thoroughly until it becomes homogeneous.

- Apply with brush or roller in 2 coats. Wait for 2 hours between the coats.  
- The temperature of the environment and the application surface must be min. +5°C for at least 24 hours during application  
- Application tools must be washed with water immediately after use.

**Storage conditions**  
- Can be stored for 12 months in its original packaging in a dry and cool ambient with an ambient temperature between +5°C and +35°C.

General information	
Physical form	White
Shelf life	See storage conditions
Packaging	10-17,5 L plastic bucket
Application features	
Application temperature Between	+5°C and +35°C
Thinning: Brush and roller application	%10 - %15 water
Consumption	7,5-10 m² can be paid in single coat with 1 Kg
Performance details	
Brightness	G3 Matt
Particle Size Grade	S1
Thin Coverage:	Class 2 (5 m²/L)
Wet scrub resistance:	Class 5
Resistance to mold growth	K2 General Purpose
Note: The application features have been determined in consequence of the tests conducted in laboratory environment (23 C and 50% 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients.	
Reference standards	
TS 5808	
G mark	
Ministry of Public Works Pos. No: 15.540.1222	



ARSELANS PLASTIC INTERIOR PAINT 6520



Definition

It is an acrylic emulsion-based, matte, silicone-free interior paint that does not show surface defects.

Area of application

- It is used on all kinds of wall surfaces in the interior of buildings.

Application features

-Drying time: 4 hours  
-Waiting time after application: 24 hours  
-Density: 1.6 g/cm³  
-Thinner: water  
Note: Application properties are in the laboratory environment (23 ± 2 °C and 50% ± 5% humidity and air flow. It is provided as a result of the experiments carried out and may vary according to different environmental conditions.

Surface preparation

After the application surfaces are cleaned of all kinds of oil, dirt, loose and swollen layers, they are saturated with Arselans Arastar. Arselans Transition Primer can be applied in a single layer before the application of Arselans Plastic Interior Paint on the surfaces where color change is desired.

Application conditions

-Ambient temperature between +5°C and +35°C,  
-It should not be applied on surfaces that are frozen, melting or where there is a danger of frost within 24 hours.  
- It should not be applied under direct sun, strong wind or on hot surfaces.

Warnings and Recommendations

- Strictly avoid adding foreign substances.  
- All tools used must be cleaned after the application intervals during operation.  
- Do not apply this product on surfaces that have not set yet

Application tools

Brush, roller or shotcreting process can be used

Application

Dust, swollen layers, dirt, oil, etc. on the surfaces must be cleaned from the surface.. Before starting the application, Arselans Plastic Interior Wall Paint should be mixed thoroughly. Arselans Plastic Interior Wall Paint should be thinned with 15-20% water by volume and mixed thoroughly until it becomes homogeneous. It should be applied

in 2 coats with a brush or roller. Wait at least 2 hours between coats. During the application and for at least 24 hours, the temperature of the environment and the surface to be applied is min. It should be +5°C. Application tools should be washed with water immediately after use.

Storage Conditions

- It can be stored for 12 months in a dry and cool environment, in its unopened package, between +5°C and +35°C. It should be protected from sun and frost. Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

General information	
Physical form	White
Shelf life	See storage conditions
Packaging	20 KG plastic bucket
Application features	
Application Temperature Between	+5°C and +35°C
Thinning (With Roller and Brush) Between	15%-20% of water
Consumption	130-140 gr per m² in one coat
Performance details	
Performance Information Gloss Matte Wet Rub Resistance	Class 3 Grain
Size Fine Covering Power	Class 2 (5 m²/L)

Note: The application features have been determined in consequence of the tests conducted in laboratory environment (23 C and 50% and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients.

ARSELANS SILICONE INTERIOR PAINT 6530



Definition

It is an acrylic emulsion-based, matte, silicone-free interior paint that does not show surface defects.

Area of application

- It is used on all kinds of wall surfaces in the interior of buildings.

Application features

-Drying time: 4 hours  
-Waiting time after application: 24 hours  
-Density: 1.6 g/cm³  
-Thinner: water  
Note: Application properties are in the laboratory environment (23 ± 2 °C and 50% ± 5% humidity and air flow. It is provided as a result of the experiments carried out and may vary according to different environmental conditions.

Surface preparation

- After the application surfaces are cleaned of all kinds of oil, dirt, loose and swollen layers, they are saturated with Arselans Arastar. Arselans Transition Primer can be applied in a single layer before the application of Arselans Plastic Interior Paint on the surfaces where color change is desired.

Application conditions

-Ambient temperature between +5°C and +35°C,  
-It should not be applied on surfaces that are frozen, melting or where there is a danger of frost within 24 hours.  
- It should not be applied under direct sun, strong wind or on hot surfaces.

Warnings and Suggestions

-Strictly no foreign substances should be added.  
-After the application, all the tools used should be washed with water before they dry.  
- Mix the product at short intervals during operation.  
- Do not apply this product on surfaces that have not set yet

Application

Dust, swollen layers, dirt, oil, etc. on the surfaces must be cleaned from the surface. Before starting the application, Arselans Plastic Interior Wall Paint should be mixed thoroughly. Arselans Plastic Interior Wall Paint should be thinned with 15-20% water by volume and mixed thoroughly until it becomes homogeneous. It should be applied in 2 coats with a brush or roller. Wait at least 2 hours between coats. During the application

and for at least 24 hours, the temperature of the environment and the surface to be applied is min. It should be +5°C. Application tools should be washed with water immediately after use.

Storage Conditions

- It can be stored for 12 months in a dry and cool environment, in its unopened package, between +5°C and +35°C. It should be protected from sun and frost. Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

General information	
Physical form	White
Shelf life	See storage conditions
Packaging	20Kg plastic bucket
Application features	
Application Temperature Between	+5°C and +35°C
Thinning (With Roller and Brush) Between	15%-20% of water
Consumption	120-140 gr per m² in one coat
Performance details	
Performance Information Gloss Matte Wet Rub Resistance	Class 2
Grain Size Fine Covering Power	Class 2 (5 m²/L)

Note: The application features have been determined in consequence of the tests conducted in laboratory environment (23°C and 50% 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients.

Reference standards

TS 5808  
G mark  
Ministry of Public Works Pos. No: 15.540.1215

ARSELANS SILICON E INTERIOR PAINT 6540



**Definition**  
It is an acrylic emulsion based, silicone added, matte, decorative top coat interior paint with high hiding power.  
It is used on all kinds of wall surfaces in the interior of buildings.

**Application features**  
-Drying time: 4 hours  
-Waiting time after application: 24 hours  
-Density: 1.6 g/cm3 -Thinner: water  
Note: Application properties are in the laboratory environment (23 ± 2 °C and 50% ± 5% humidity and air flow. It is provided as a result of the experiments carried out and may vary according to different environmental conditions

**Surface preparation**  
- After the application surfaces are cleaned of all kinds of oil, dirt, loose and swollen layers, they are saturated with Arselans Arastar. Arselans Transition Primer can be applied in a single layer before the application of Arselans Plastic Interior Paint on the surfaces where color change is desired.  
Ambient temperature between +5°C and +35°C,  
-It should not be applied on surfaces that are frozen, melting or where there is a danger of frost

within 24 hours.  
- It should not be applied under direct sun, strong wind or on hot surfaces.

**Warnings and Suggestions**  
-Strictly no foreign substances should be added.  
-After the application, all the tools used should be washed with water before they dry.  
- Mix the product at short intervals during operation.  
-Do not apply on unset surfaces. Application tools Brush, roller or spray method can be used.

**Application**  
Dust, swollen layers, dirt, oil, etc. on the surfaces must be cleaned from the surface.. Before starting the application, Arselans Plastic Interior Wall Paint should be mixed thoroughly. Arselans Plastic Interior Wall Paint should be thinned with 15-20% water by volume and mixed thoroughly until it becomes homogeneous. It should be applied in 2 coats with a brush or roller. Wait at least 2 hours between coats. During the application and for at least 24 hours, the temperature of the environment and the surface to be applied is min. It should be +5°C. Application tools should be washed with water immediately after use.

**Storage Conditions**  
- It can be stored for 12 months in a dry and cool environment, in its unopened package, between +5°C and +35°C. It should be protected from sun and frost. Improper storage conditions or exceeding the period of use may deteriorate the qualities of the product.

General information	
Physical form	White
Shelf life	See storage conditions
Packaging	20 kg plastic bucket.
Application features	
Application Temperature Between	+50°C and +35°C
Thinning (With Roller and Brush) Between	15%-20% of water
Consumption	120-130 gr per m² in one coat
Performance Information	
Brightness	Matte,
Wet Rub Resistance	Class 2
Particle Size	Thin
Covering power	Class 2 (5 m²/L)
Note: The application features have been determined in consequence of the tests conducted in laboratory environment (23 C and 50%, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients.	
Reference standards	
TS 5808	
G mark	
Ministry of Public Works Pos. No: 15.540.1215	

ARSELANS SEMI-MATTE SILICONE INTERIOR PAINT 6550



**Definition**  
It is an acrylic emulsion based, silicone added, silky matte, high covering, wipeable decorative interior top coat paint.

**Application area**  
- It is used on all kinds of wall surfaces in the interior of the buildings.

**App features**  
-Drying time: 4 hours  
-Waiting time after application: 24 hours  
-Density: 1.6 g/cm3  
-Thinner: water  
Note: The application properties are provided as a result of experiments carried out in a laboratory environment (23 ± 2 °C and 50% ± 5% humidity and no air flow) and may vary according to different ambient conditions.

**Surface preparation**  
- After the application surfaces are cleaned of all kinds of oil, dirt, loose and swollen layers, they are saturated with Arselans Arastar. Arselans Transition Primer should be applied in a single layer before the application of Arselans Silicone Interior Paint on the surfaces where color change is desired.

**Application conditions**  
-Ambient temperature between +5°C and +35°C,  
- It should not be applied on surfaces that are frozen, melting or there is a danger of frost within 24 hours.  
- It should not be applied under direct sun, strong wind or on hot surfaces.

**Warnings and Advice**  
-Absolutely no foreign substances should be added.  
-After the application, all the tools used should be

washed with water before they dry.  
- Mix the product at short intervals during operation.  
-Do not apply on unset surfaces.

**Application tools**  
Brush, roller or spray method can be used.

**Application**  
- Dust, swollen layers, dirt, oil, etc. on the surfaces to be applied. substances must be cleaned from the surface. Before starting the application, Arselans Silicone Interior Wall Paint should be mixed thoroughly. Arselans Silicone Interior Wall Paint should be diluted with 10-15% water by volume and mixed thoroughly until it becomes homogeneous. It should be applied in 2 coats with a brush or roller. Wait at least 2 hours between coats. During the application and for at least 24 hours, the temperature of the environment and

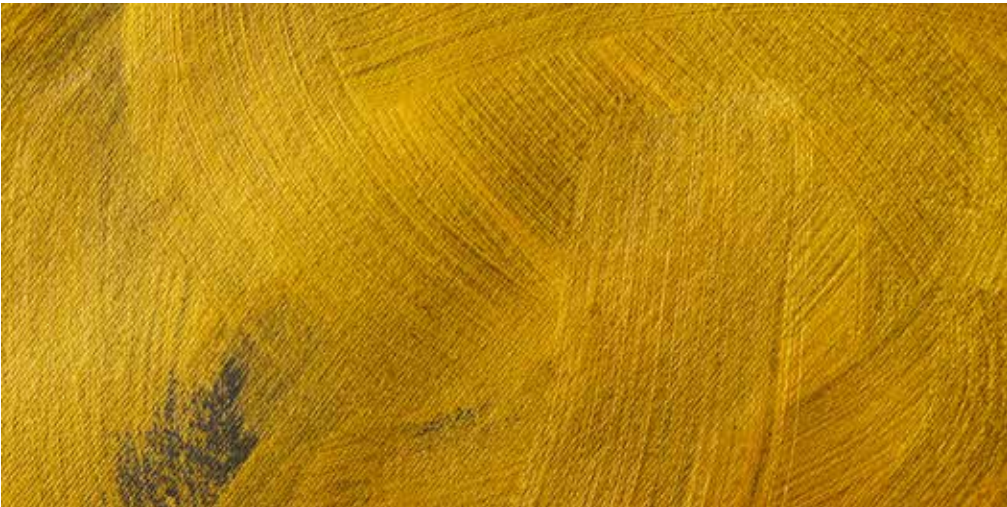
the surface to be applied is min. It should be +5°C.  
Application tools should be washed with water immediately after use.

**Storage Conditions**  
- It can be stored for 12 months in a dry and cool environment, in its unopened package, between +5°C and +35°C. It should be protected from sun and frost. Improper storage conditions or exceeding the period of use may deteriorate the qualities of the product.

General Information	
Appearance	White and Color Chart
Shelf Life	See Storage Conditions
Packaging	20 Kg Plastic Bucket
Application Features	
Application Temperature	+5°C to +35°C
Thinning (By Roller and Brush)	10-15% with water
Consumption	110-130 gr is used per m² in one coat.
Performance Information	
Gloss	Semi Matte
Wet Scrubbing Resistance	Class 1
Grain Size	Fine
Covering Strength Class	1 (5 m²/L)
Note: The application properties have been obtained as a result of the experiments carried out in the laboratory environment (23°C and 50% relative humidity and no air flow) and may vary in different ambient conditions. The performance information has been tested in the environments specified by the product's standard, and the results may be observed differently in different environments.	
Reference Standards	
TSE 5808	
G mark	
Ministry of Public Works Pos. No: 15.540.1215	



ARSELANS FOIL PAINT 6610



Definition

It is a pure acrylic resin-based, water-based, odorless, decorative paint that can create a silvery-like pearlescent effect when light hits the surface.

Area of application

Interior and exterior surfaces for decorative purposes. Areas where special effects are desired to be created with the help of spotlights, especially on the interior. Areas where different glittery appearances are desired depending on the reflection angle, type and intensity of the light.

Application features

Thinning Ratio: No thinning, ready to use.  
Application Temperature (5 °C) :30  
Coverage Area (m/L) :28-10 (in one coat).  
Touch Time : 20 min.  
Surface Drying : 40 min.  
Final Drying : 4 hours

Surface preparation

Holes and cracks that need to be filled should be putty, Arselans Acrylic Putty should be used. After the putty application, Arselans Arastar or Arselans Transition Primer must be applied.

Application conditions

-Ambient temperature between +5°C and +3°C,  
-It should not be applied on surfaces that are frozen, melting or frost risk within 24 hours.  
- It should not be applied under direct sun, strong wind or on hot surfaces.

Warnings and Suggestions

-Strictly no foreign substances should be added.  
-After the application, all the tools used should be washed with water before they dry.  
- Mix the product at short intervals during operation. Do not apply this product on surfaces that have not set yet

Application tools

Brush, roller and patterned mother-of-pearl paint tools can be used.

Application

Arselans Foil is applied 18-24 hours after the primer application. It is very important to pass the roller close to the wall edges, as there will be differences in the finish when the product is applied with a brush or roller. Application apparatus recommended for Arselans Sedef can also be used.

Storage Conditions

- It can be stored for 12 months in a dry and cool environment, in its unopened package, between +5°C and +35°C. It should be protected from sun and frost. Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

General information	
Physical form	Silver and Gold colors
Shelf Life	See Fig. Storage Conditions
Packaging	1 kg, 3 kg, 7.5 kg plastic buckets
Application features	
Application Temperature Between	+5°C and +35°C1
Consumption	8-10 m2/L
Performance details	
Resin Type	Pure acrylic
Colour	silver and gold
Solids % (by weight)	44
Solids % (by volume)	37
Viscosity ( cPs, 25°C)	3000-3500
Density (g/cm,20°C) 1.	12 - 1.16
pH	(25°C) 8.0 - 9.0

Note: The application features have been determined in consequence of the tests conducted in laboratory environment (23 ± 20 C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients.

Reference standards

Ministry of Public Works Pos. No:V.1 709/C1

ARSELANS PEARL PAINT 6620



Definition

It is a water-based, interior wall paint that can be applied on surfaces for decorative purposes, can be wiped, with different application apparatuses, which creates mother-of-pearl patterns due to the reflection of light, is environmentally friendly, , and is applied to flexible surfaces with varity application for decorative purposes, allowing the creation of pearlescent patterns depending on the reflection of light.

Application area

- For decorative purposes in the interior of buildings used on surfaces.

Application features

First drying: 30 minutes  
Second coat application: 4-6 hours  
Final drying: 24 hours (drying time may be longer at higher relative humidity and lower temperatures).

Note: 2-4 hours should be waited between coats.

Surface preparation

After the application surfaces are cleaned of all kinds of oil, dirt, loose and swollen layers, they are saturated with Arselans Arastar. Arselans Transition Primer can be applied in a single layer before the application of Arselans pearly Paint on the surfaces where color change is desired.  
Ambient temperature between +5°C and +35°C,  
-It should not be applied on surfaces that are frozen, melting or frost risk within 24 hours.  
- It should not be applied under direct sun, strong wind or on hot surfaces.  
-Strictly no foreign substances should be added.  
-After the application, all the tools used should be washed with water before they dry.  
- Mix the product at short intervals during operation. Do not apply this product on surfaces that have not set yet

Application tools

Brush, roller and patterned mother-of-pearl paint tools can be used.

Application

- Dust on the application surfaces, swollensheets, dirt, oil, etc. substances from the surface should be cleaned. Before starting the application Arselans Mother of Pearl Paint should be mixed thoroughly. Pearl Two coats of textured paint on the surface with the help of a satin roller will be applied. Third floor application Allow the paint to dry while Patterned rolls by a second person, without Finish painting from top to bottom with pattern is given. It can be stored for 12 months in a dry and cool environment, in its original package, between +5°C and +35°C.Under such conditions, the product can be stored for 12 months as of the production date.  
-Inappropriate storage or exceeding the expiry

date may deteriorate the properties of the product.

Storage Conditions

- It can be stored for 12 months in a dry and cool environment, in its unopened package, between +5°C and +35°C  
It should be protected from sun and frost. Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

General information	
Physical form	White and color chart,
Shelf life	See storage conditions
Packaging -1-2,5-7,5-15 kg plastic container	
Application features	
Application Temperature	+5°C to 35°C
Thinning (With Roller and Brush) between	%15-%20 with water.
Consumption	145-190 ml/m² total in 3 layers.
Performance Information	
Brightness	Bright
Wet Rub Resistance	Class 1
Particle Size	Thin
Covering power	Class 1 (5 m²/L)

Note :The application features have been determined in consequence of the tests conducted in laboratory environment (23 ± 20°C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients.

Reference standards

TSE 5808  
G MARK  
Ministry of Public Works Pos. No:15.540.1222

ARSELANS SILİTECH 6130



Definition

Silicone acrylic copolymer emulsion based, mattappearing, finishing facade paint  
Area of application  
-It is used on concrete, exposed concrete, cement-based plasters, gas concrete, betopan, mineral-based surfaces, brick, prefabricated construction elements, dirty surfaces with faded emulsion-based old paints.

Application features

-Initial dry time: 1 - 2 hours -Second coat application: 6 – 8 hours Final dry time: 24 hours

Surface preparation

-The surfaces on which ARSELANS SILITECH will be applied must be cleared of dust, dirt, oil, etc. that prevent adherence.  
-Any irregularities on the application surfaces, if any, are repaired with paste or cement-based surface repair materials (ARKİM ARREPAIR THIN

and ARKİM ARREPAIR THICK).

-It is necessary to make sure that the surface has been cured and robust.  
-The surface must be dampened or lined with ARKİM ARASTAR before the application if necessary.

Application conditions

-Ambient temperature should be between +5 °C and +30 °C  
-Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours.  
-Do not apply on surfaces under direct sun or strong wind, or hot surfaces.

Warnings and advices

-Strictly avoid adding foreign substances.  
-After the application, all tools used must be washed with water before letting them dry.  
-Do not apply on horizontal surfaces or surfaces

inclined less than 45 degrees. It is necessary to wait 4 weeks before application on newly plastered surfaces.

Application tools

Facade roller, brush

Thinning Spray application:

Applied in single coat by adding 5% water.  
Pressure: 140 bar Nozzle angle: 50 degrees  
Nozzle size: 0.019 – 0.021 inches Brush and roller application: Applied in two coats by adding 10% to 15% clean water.  
The application surfaces must be robust, clean, dry and self-supporting.  
-It is necessary to wait until the end of the setting period for the newly plastered surfaces (28 days)  
-Prior to applying the paint, the surface is lined with ARSELANS ARASTAR, thus strengthening the adherence and decreasing the paint consumption.

-It is necessary to wait for 6 – 8 hours between the lining each coat of paint.  
-After the application, all tools used must be washed with water.

Storage conditions

-Can be stored for 24 months in its original packaging in a dry and cool ambient with an ambient temperature between 5 and 30 °C. Must be protected against sun and frost. Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.



Definition

Acrylic copolymer emulsion based, mattappearing, finishing facade paint

Area of application

-It is used on concrete, exposed concrete, cement-based plasters, gas concrete, betopan, mineral-based surfaces, brick, prefabricated construction elements, dirty surfaces with faded emulsion-based old paints.

Application features

-Initial dry time: 1 - 2 hours  
-Second coat application: 6 – 8 hours Final dry time: 24 hours  
Surface preparation - The surfaces on which ARSELANS AKRITEC  
H will be applied must be cleared of dust, dirt, oil, etc. that prevent adherence.  
-Any irregularities on the application surfaces, if

any, are repaired with paste or cement-based surface repair materials (ARKİM ARREPAIR THIN and ARKİM ARREPAIR THICK).  
-It is necessary to make sure that the surface has been cured and robust.  
-The surface must be dampened or lined with ARKİM ARASTAR before the application if necessary

Application conditions

-Ambient temperature should be between +5 °C and +30 °C  
-Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours.  
-Do not apply on surfaces under direct sun or strong wind, or hot surfaces.

Warnings and advices

-Strictly avoid adding foreign substances.  
-After the application, all tools used must be

washed with water before letting them dry.  
-Do not apply on horizontal surfaces or surfaces inclined less than 45 degrees. It is necessary to wait 4 weeks before application on newly plastered surfaces.

Application tools

Facade roller, brush

Thinning Spray application:

Applied in single coat by adding 5% water.  
Pressure: 140 bar Nozzle angle: 50 degrees  
Nozzle size: 0.019 – 0.021 inches Brush and roller application: Applied in two coats by adding 10% to 15% clean water.

Application

-The application surfaces must be robust, clean, dry and self-supporting.  
-It is necessary to wait until the end of the setting

period for the newly plastered surfaces (28 days)  
-Prior to applying the paint, the surface is lined with ARSELANS ARASTAR, thus strengthening the adherence and decreasing the paint consumption.  
-It is necessary to wait for 6 – 8 hours between the lining each coat of paint.  
-After the application, all tools used must be washed with water.

Storage conditions

-Can be stored for 24 months in its original packaging in a dry and cool ambient with an ambient temperature between 5 and 30 °C. Must be protected against sun and frost. Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

General Information

Appearance	White And Color Chart Colors
Shelf Life	See. Storage Conditions
Packaging 1	0 and 20 Kg plastic buckets

Application features

Application temperature Between	+5° C and +35°C
Thinning; Spray application	5% water
Thinning; Brush and roller application	%10 - %15 water
Initial dry time	1 - 2 hours
Second coat application	6 - 8 hours
Final dry time	24 hours
Consumption	6-10 m² can be paid in single coat with 1 kg depending on the type, absorbing power and structure of the surface.

Performance details

Brightness	G <sub>3</sub>
Dry Film Thickness	E <sub>3</sub>
Particle Size Grade	S <sub>1</sub>
Water Vapor Transmission Rate	V <sub>2</sub>
Water Transmission Rate	W <sub>3</sub>
Crack Covering Feature	A <sub>0</sub>
CO <sub>2</sub> Permeability	Co Peeling
Strength (KgF)	≥ 2,5
Temperature resistance Between -	30°C and +60°C

Note: The application features have been determined in consequence of the tests conducted in laboratory environment (23 ± 20 C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients.

Reference standards

TS 7847  
G mark  
Ministry of Public Works Pos. No: 15.540.1304

General Information

Appearance	White And Color Chart Colors
Shelf Life See	Storage Conditions
Packaging	10 and 20 Kg plastic buckets

Application features

Application temperature Between	+5° C and +35°C
Thinning; Spray application	5% water
Thinning; Brush and roller application	%10 - %15 water
Initial dry time	1 - 2 hours
Second coat application	6 - 8 hours
Final dry time	24 hours
Consumption	Consumption According to the type, absorbency and structure of the surface, 7-10 m² area can be painted with 1 kg in one coat.

Performance details

Brightness	G3 Dry
Film Thickness	E <sub>3</sub>
Particle Size Grade	S <sub>1</sub>
Water Vapor Transmission Rate	V <sub>2</sub>
Water Transmission Rate	W <sub>3</sub>
Crack Covering Feature	A <sub>0</sub>
CO <sub>2</sub> Permeability	Co
Peeling Strength (KgF)	≥ 2,5
Temperature resistance Between	-30°C and +60°C

Note: The application features have been determined in consequence of the tests conducted in laboratory environment (23 ± 2°C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients

Reference standards

TS 7847  
G mark  
Ministry of Public Works Pos. No: 15.540.1304



ARSELANS SILITECH WITH GRAIN 6220



**Definition**  
It is a matt, thin, grain siding which is patterned with coral roller and can be applied by means of acrylic copolymer emulsion based silicone roller.

**Area of application**  
It is used on concrete, exposed concrete, cement-based plasters, gas concrete, betopan, mdf, mineral-based surfaces, brick, prefabricated construction elements, dirty and defective surfaces with faded emulsion-based old paints to pattern the surface.

**Application features**  
-Initial dry time: 30-45 hours  
-Second coat application: 12 hours Final dry time: 24 hours

**Surface preparation**  
-The surfaces on which ARSELANS SILITECH WITH GREN will be applied must be cleared of dust, dirt,

oil, etc. that prevent adherence.  
-Any irregularities on the application surfaces, if any, are repaired with paste or cement-based surface repair materials (ARKIM ARREPAIR THIN and ARKIM ARREPAIR THICK).  
-It is necessary to make sure that the surface has been cured and robust.  
-The surface must be dampened or lined with ARKIM ARASTAR before the application if necessary.

**Application conditions**  
-Ambient temperature should be between +5°C and +30° C -Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours.  
-Do not apply on surfaces under direct sun or strong wind, or hot surfaces.

**Warnings and advices**  
-Strictly avoid adding foreign substances.

-After the application, all tools used must be washed with water before letting them dry.  
-Do not apply on horizontal surfaces or surfaces inclined less than 45 degrees. It is necessary to wait 4 weeks before application on newly plastered surfaces.

**Application tools**  
Facade roller, coral roller, brush  
Thinning Ready to use (It can be thinned with 5% of water, if necessary).

**Application**  
-The application surfaces must be robust, clean, dry and self-supporting.  
-It is necessary to wait until the end of the setting period for the newly plastered surfaces (28 days)  
-Prior to applying the paint, the surface is lined with ARSELANS ARASTAR, thus strengthening the adherence and decreasing the paint

consumption.  
-It is necessary to wait for 12 hours between the lining each coat of paint.  
-After the application, all tools used must be washed with water.

**Storage conditions**  
- Can be stored for 24 months in its original packaging in a dry and cool ambient with an ambient temperature between 5 and 30 °C. Must be protected against sun and frost. Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

ARSELANS SILITECH PURE ACRYLIC PAINT 6140



**Description**  
100% pure acrylic emulsion based, completely waterproof, long-lasting, breathable, alkali-resistant, semi-gloss top coat decorative exterior paint.

**Area of application**  
- It is used on concrete, exposed concrete, cement-based plasters, gas concrete, betopan, mineral-based surfaces, bricks, prefabricated building elements, dirty, discolored emulsion-based old painted surfaces.

**Application features**  
-First drying time: 2 hours  
-Second coat application: 2 hours Final drying time: 24 hours

**Surface preparation**  
-The surfaces on which ARSELANS PURE ACRYLIC will be applied must be free from dust, dirt, oil, etc. It should be cleared of residues that will prevent

sticking, such as  
- If there are defects on the application surface, they are corrected with putty or cement-based surface smoothing materials (Arkim Arrepair Thin and Arkim Arrepair Thick). Before the application, the surface should be moistened if necessary or primed with ARSELANS ARASTAR.

**Application conditions**  
-Ambient temperature between +5°C and +30°C,  
-It should not be applied on surfaces that are frozen, melting or frost risk within 24 hours.  
- It should not be applied under direct sun, strong wind or on hot surfaces.

**Warnings and advices**  
-Strictly no foreign substances should be added.  
-After the application, all the tools used should be washed with water before they dry.  
-It should be waited for 4 weeks on newly plastered surfaces.

**Application tools**  
Facade roller, brush

**Application**  
The surfaces to be applied must be solid, clean, dry and in a self-supporting condition.  
-Setting time should be waited on newly plastered surfaces (28 days).  
-It is necessary to wait 2 hours between the primer and each coat of paint.  
-After the working, equipments need to wash with water.

**Storage Conditions**  
- It can be stored for 24 months at 5 - 30 °C in its unopened package in a dry and cool environment. It should be protected from sun and frost. Improper storage conditions or exceeding the period of use may deteriorate the qualities of the product.

General Information	
Appearance	30 different color variations, powder (See. Construction Chemicals sealant swatch catalog)
Shelf life	See storage conditions
Packaging	25 L plastic bucket
Application features	
Application temperature Between	+5° C and +35°C
Thinning Ready to use	(It can be thinned with 5% of water, if necessary)
Initial dry time	30 - 45 minutes
Second coat application	12 hours
Final dry time	24 hours
Consumption	1-1.5 m² can be paid in single coat with 1 kg depending on the type, absorbing power and structure of the surface.

Performance Information	
Gloss	G2
Dry film Thickness	E4
Grain Size	Class S3
Water Vapor Transfer Rate	V2
Water Transfer Rate	W2
Crack Closure	A0
CO2 Permeability	C0 Peeling
Strength (KgF)	≥ 2.5 With
Temperature Resistance	-30°C+60 °C between

Note: The application features have been determined in consequence of the tests conducted in laboratory environment (23 ± 20° C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients

**Reference standards**  
TS 7847  
G mark  
Ministry of Public Works Pos. No: 27.560/7 – 25.048/13

General information	
Physical form	White and color variations, powder (See. Construction Chemicals sealant swatch catalog)
Shelf life	See storage conditions
Packaging	20 L plastic bucket

Application Features	
Application Temperature	(+5°C to (+35°C)
Thinning (By Roller and Brush) With	5-10% water
Consumption	5 – 5.5 m² area length on mineral surfaces

Performance details	
Brightness	G2
Dry Film Thickness	E2
Particle Size Grade	S1
Water Vapor Transmission Rate	V2
Water Transmission Rate	W3
Crack Covering Feature	A0
CO2 Permeability	C0

Note: The application properties have been obtained as a result of experiments carried out in a laboratory environment (23°C and 50% relative humidity and no air flow) and may vary in different ambient conditions. The performance information has been tested in the environments specified by the product's standard, and the results may be observed differently in different environments.

**Reference standards**  
TS 7847  
G mark  
Ministry of Public Works Pos. No: 15.540.1303

ARSELANS ARASTAR 5311



Definition

Acrylic emulsion and water based, rammed, interior and exterior wall primer.  
Area of application -It is used for enhancing adherence and reducing the consumption of mill-mixed finish plaster or exterior wall coatings, in highly absorbent interior and exterior wall surfaces of buildings; and applied onto cement-based plaster, mineral surfaces such as concrete, and cement sheet, and old painted surfaces under decorative plasters and exterior wall coatings.

Application features

-Dry time: 6 hours  
-Waiting period after application: 24 hours  
-Density: 1.75 g/cm3  
-Thinner: water

Surface preparation

-Surfaces must be dry, clean, solid, and freed from released particles before the application. -Layers such as oil, grease, dirt, paint, grout, corrosion, mold oil, salt efflorescence, etc. that will reduce the adherence must be cleared before the application. The surface must be roughened by sandblasting and grinding in places where it is deemed necessary, and in old synthetic based

surfaces.

-Surfaces where water or salt efflorescence from the negative side are observed shouldn't be applied.  
-Surfaces must be flat, and must not contain any hole, break, segregation, mold failure, crack, and dust. Such failures must be corrected by using repair mortar containing ARKİM ARREPAIR THIN  
- ARKİM ARREPAIR THICK and ARKİM ARLATEX before the application. -New mineral surfaces must be left at least 28 days in order them to be cured before the application.  
-All water isolation measures regarding water must have been taken in the building

Application conditions

-Ambient temperature should be between +5 °C and +35 °C  
-Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours.  
-Do not apply on surfaces under direct sun or strong wind, or hot surfaces

Warnings and advices

-Strictly avoid adding foreign substances.  
-After the application, all tools used must be washed with water before letting them dry.

- Mix the product at brief intervals during application.  
-Do not apply this product on surfaces that have not set yet

Application tools

Hand mixer, plastic roller of 25

Application

-Mix ARSELANS ARASTAR thoroughly before the application.  
-ARKİM ARASTAR must be applied on the surface by using brush, roller or spraying system after being thinned with water at a ratio of 1/1 by volume, and mixed thoroughly.  
-ARSELANS ARASTAR must be thinned at a ratio of 1/2 - 1/3 by volume while applying under semigloss paints on plaster board or mastic applied surfaces.  
-The last coating material must be applied 6 hours after applying ARSELANS ARASTAR.  
-Wash the application tools immediately after the application.  
-The ambient temperature and the application surface temperature must be minimum +5°C throughout the application and 24 hours following the application, and the surface must be

protected against rain.  
-Excessively hot surfaces must be moisturized before the application.  
-The material must not be used on horizontal surfaces exposed to rain.

Storage conditions

- Can be stored for 12 months in its original packaging in a dry and cool ambient with an ambient temperature between 5°C and +35°C. Must be protected against sun and frost. Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

ARSELANS İZOASTAR 5322



Definition

It is a completely water-based, transparent, silicone-added interior satin plaster primer applied by diluting at a ratio of 1/7.

Application area

Surfaces with high absorbency and dusting character painting (such as plaster, satin plaster and drywall) solving problems encountered in transactions, In addition, plaster, gross concrete, gas concrete, brick Pure, which can be used easily on all surfaces such as based on acrylic resin, diluted 1/7 with water It is a transparent interior lining.

Application features

-Drying time: 4 hours  
-Waiting time after application: 24 hours  
-Density: 1 g/cm3  
-Thinner: Water  
Note: Application properties in laboratory

environment (23 ± 2 °C and 50% ± 5% humidity and no air flow) It has been provided as a result of experiments and may vary according to different environmental conditions.

Surface preparation

Newly painted and old painted surfaces should be cleaned of dust and dirt. After the necessary surface repairs are made, a single coat of primer should be applied.

Application conditions

-Ambient temperature between +5°C and +35°C,  
-It should not be applied on surfaces that are frozen, melting or where there is a danger of frost within 24 hours.  
- It should not be applied under direct sun, strong wind or on hot surfaces.

Warnings and Suggestions

-Strictly no foreign substances should be added.  
-After the application, all the tools used should be washed with water before they dry.  
- Mix the product at short intervals during operation.  
- Do not apply this product on surfaces that have not set yet.

Application tools

Interior roller, satin roller and brush.

Application

With its strong binding feature and micronized particle structure, it penetrates deeply into the surfaces, binds the free substances on the surface, and creates a solid, low-absorbency, increased adhesion strength sub-surface for the top coat paint to be applied. It certainly doesn't make a movie. It prevents premature drying and reduces

paint consumption. Due to the silicon in it, it reduces the moisture absorption feature of the surface and increases the vapor permeability. Arselans izoastar is thinned and applied by adding 7 Lt of water to 1 Lt of water.

Storage Conditions

It can be stored for 12 months in a dry and cool environment, in its unopened package, between +5°C and +35°C.  
It should be protected from sun and frost. Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

General Information	
Physical form	White, liquid component
Shelf life	See storage conditions
Packaging	10-20 kg plastic bucket.
Application features	
Temperature Between	+5 °C and +35 °C
Mixture ratio	%20 diluted water
Dry time	6 hours
Waiting period after application 2	4 hours
Thinner Water Consumption Approximately	150-250 g/m²
Performance details	
Relative density	1,75 g/cm³

Note: The application features have been determined in consequence of the tests conducted in laboratory environment (23 ± 2°C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients.

General information	
Physical form	Transparent
Shelf life	See storage conditions
Packaging	15 L plastic bucket
Application features	
Temperature Between	+5 °C and +35 °C
Thinnig (Roller and brush) diluted water	1:7
Consumption	10-20 m²/L depending on the absorbency of the surface 10-20 m²

Performance details	
Resin Type	Acrylic
Color	Transparent
Density	(g/cm,20°C) 0,95-1
pH (25°C)	8.0 -9.0

Note: The application properties are provided as a result of experiments carried out in a laboratory environment (230 C and 50% relative humidity and no air flow) and may vary in different ambient conditions. The performance information has been tested in the environments specified by the product's standard, and the results may be observed differently in different environments.

Reference Standards

Ministry of Public Works Pos. No: 15.540.1216



ARSELANS İZOASTAR READY 5333



**Definition**  
It is a water-based, transparent, silicone-added, ready-to-use interior satin plaster primer.

**Area of application**  
A ready-to-use transparent interior based on pure acrylic resin, which solves the problems encountered in painting processes with high absorbency and dusting characteristics (such as plaster, satin plaster and gypsum board) and can also be used easily on all surfaces such as plaster, gross concrete, gas concrete, brick facade lining.

**Application features**  
-Drying time: 4 hours  
-Waiting time after application: 24 hours  
-Density: 0.95 g/cm³  
-Thinner: Water Note: The application features have been provided as a result of the experiments carried out in the laboratory environment (23 ± 2°C and 50% ± 5% humidity and no air flow) and may vary according to different ambient conditions.

**Surface preparation**  
Newly painted and old painted surfaces should be cleaned of dust and dirt. After the necessary surface repairs are made, a single coat of primer should be applied.

**Application conditions**  
-Ambient temperature between +5°C and +35°C,  
-It should not be applied on surfaces that are frozen, melting or where there is a danger of frost within 24 hours.  
-It should not be applied under direct sun, strong wind or on hot surfaces.

**Warnings and Suggestions**  
-Strictly no foreign substances should be added.  
-After the application, all the tools used should be washed with water before they dry.  
-Mix the product at short intervals during operation. Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

**Application tools**  
Interior roller, satin roller and brush.

**Application**  
With its strong binding feature and micronized particle structure, it penetrates deeply into the surfaces, binds the free substances on the surface, and creates a solid, low-absorbency, increased adhesion strength sub-surface for the top coat paint to be applied. It certainly doesn't make a movie. It prevents premature drying and reduces paint consumption. Due to the silicon in it, it reduces the moisture absorption feature of the surface and increases the vapor permeability.

**Storage Conditions**  
- It can be stored for 12 months in a dry and cool environment, in its unopened package, between +5°C and +35°C.  
It should be protected from sun and frost.

Improper storage conditions or exceeding the period of use may deteriorate the qualities of the product.

ARSELANS ACYLIC PUTTY 6710



**Description**  
Acrylic copolymer emulsion based, flexible, exterior filling and surface smoothing putty.

**Area of application**  
It can be safely used for smoothing concrete and mineral plastered, old painted, rough surfaces on exteriors and filling shrinkage cracks.

**Application properties**  
Appearance : Matte, smooth, paste  
Color : Off-white Viscosity : 260 ± 5 KU/25°C  
Density : 1.63 ± 0.02 gr/cm³  
Solid Matter : 72 ± 2 ( 120°C 30 min) pH : 8.5 ± 1  
Drying Time: Touch dry 31 hours (23°C 50% HR)  
Full dry 24 hours  
(depending on application thickness)  
Sanding: 4 hours

**Surface preparation**  
New Plastered Surfaces: The surfaces should

be reviewed and all layers that cannot support themselves should be cleaned and removed, and factors such as free sand, dust and oil that would reduce the adhesion strength should be cleared. Application surfaces must be completely dry. Therefore, newly plastered surfaces should be waited for at least 20 days for the plaster to set. Mold release oils used in exposed concrete must be cleaned absolutely. Old painted surfaces: All layers that cannot support themselves should be cleaned and removed, semi-matt / silk-matte old painted surfaces should be sanded absolutely. Before starting the application, it should be checked that the surface is clean, sound, dry and dust-free. Priming: If the application surfaces are painted or plastered with poor quality, they should be primed with Izoa primer thinned with 7 layers of water to strengthen the surface before the putty application. Application conditions  
-Ambient temperature between +5°C and +35°C,  
-It should not be applied on surfaces that are

frozen, melting or frost risk within 24 hours. - It should not be applied under direct sun, strong wind or on hot surfaces.

**Warnings and Suggestions**  
-Strictly no foreign substances should be added.  
-After the application, all the tools used should be washed with water before they dry.  
-Mix the product at short intervals during operation.  
-Do not apply on unset surfaces.

**Application tools Brush**  
Roller and patterned mother-of-pearl paint tools can be used.

**Application**  
Putty should be applied in thin layers with a steel trowel or spatula at intervals of 6 to 8 hours. After 24 hours after the putty application, sanding is

done and dust is removed and Arselans Exterior Putty is applied. All tools used immediately after the application can be cleaned with water. Deep cracks and pits on the surfaces should be filled with repair mortars and then smoothed with putty.

**Storage Conditions**  
It can be stored for 12 months in a dry and cool environment, in its unopened package, between +5°C and +35°C.  
It should be protected from sun and frost. Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

General Information	
Physical form	Transparent
Shelf Life	See: Storage Conditions
Packaging	15 Lt Plastic Bucket
Application Properties	
Application Temperature	+5°C to +35°C
Consumption	10-20 m2/L depending on the absorbency of the surface)
Performance details	
Resin Type	Pure
Color	Transparent
Density (g/cm,20°C)	0,95-1
pH (25°C)	8.0 - 9.0

Note: The application features have been determined in consequence of the tests conducted in laboratory environment (23 ± 20 C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients.

**Reference Standards**  
Ministry of Public Works Pos. No: 15540.1216

General Information	
Physical form	White
Shelf Life	See: Storage Conditions
Packaging	20 kg plastic bucket
Application Properties	
Application Temperature	+5°C to +35°C
Consumption	Depending on the absorbency and smoothness of the surfaces, 0.5 – 1.6 kg/m² controlled sample work is recommended for precise consumption.
Performance Information	
Viscosity	260 ± 5 KU/25°C
Density	1.63 ± 0.02 gr/cm³
Solids	72 ± 2 ( 120°C 30 min)
pH 8.5	± 1
Drying Time Touch dry	31 hours (23°C 50% HR) Fully dry 24 hours (depending on application thickness) Sanding 4 hours

Note: The application properties have been obtained as a result of the experiments carried out in the laboratory environment (23 C and 50% relative humidity and no air flow) and may vary in different ambient conditions. The performance information has been tested in the environments specified by the product's standard, and the results may be observed differently in different environments.

**Reference standards**  
Ministry of Public Works Pos. No: 04510/D

ARSELANS SOLVENT FREE EPOXY PRIMER 6810



Description

Two-component, solvent-free epoxy-based unfilled varnish

Area of application

It is used to provide waterproof environments on terraces and roofs, in industrial facilities where ground dust affects production, such as hospitals, pharmaceutical and food industries, laboratories, textile and automotive industries.

Application features

Specific Gravity: 1.09 gr/cm<sup>3</sup> at 20°C. Solid Matter :Volumetric 100%  
Surface drying at 20°C : 6-8 hours  
Full drying at 20°C : 16-24 hours  
Application Temperature : Application should not be made below +10°C.  
Curing Time: 7 days at 20°C.  
During this period, the paint film should not be exposed to any chemical and mechanical effects.

Surface preparation

New concrete and cement plaster must be cured for at least 21 days. Mortar residue on the cured surface, etc.The dust on the surface should be thoroughly cleaned after it is removed by light

sanding or brushing. Old paint, dirt, dust, etc. on the old concrete and cement plaster surface, loose particles such as sandblasting, scraping, brushing are removed. Oil and grease residues are cleaned with detergent water, if neutralization is required, the surface is wiped with 3-4% hydrochloric acid or acetic acid solution and washed with water. Care should be taken to ensure that the floor is completely dry before applying the primer. Concrete, mosaic and tile surfaces with a high level of cement, mosaic and tile surfaces should be roughened with light sanding or pickling.

Application conditions

Should not be applied in environments where the temperature is below +10°C and the relative humidity is above 70%.  
Warnings and Suggestions -Strictly no foreign substances should be added.  
-After the application, all used tools should be washed with thinner before they dry.  
- Mix the product at short intervals during operation. -Do not apply on unset surfaces.

Application tools

It is applied with a short hard clay brush, short pile roller or Airless spray.

Application

After mixing the main material, hardener is added and mixed for 2-3 minutes until it becomes homogeneous. Material should not be prepared more than the amount that can be applied during the pot life.

Storage Conditions

- It can be stored for 12 months in a dry and cool environment, in its original package, between +5°C and +35°C.  
It should be protected from sun and frost. Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

General Information

Physical form	Produced from Ral Catalogue Colors.
Shelf Life	See. Storage Conditions
Package	10 Kg (A) Component+5 Kg (B) Component=15 kg, 2 Kg (A) Component+1 Kg (B) Component=3 Kg, in Tin Cans.

Application Properties

Specific Gravity	1.09 gr/cm <sup>3</sup> at 20°C.
Solid Matter Volumetric	100%
Surface drying at	6-8 hours
Full drying at 20°C	16-24 hours
Application Temperature should not be applied below +10°C. Curing Time 7 days at 20°C. During this period, the paint film should not be exposed to any chemical and mechanical effects.	

Performance Information

Consumption Theoretically, about 3-4 m<sup>2</sup>/kg in 100 micron thickness  
Note: Application should not be made below +10°C. Ventilation is required in indoor applications

Reference Standards

Ministry of Public Works Pos. No: 15.540.1103

ARSELANS SOLVENT BASED EPOXY PAINT 6840



Description

Two component, epoxy based glossy topcoat paint.

Field of application

In order to protect concrete, cement plaster, asbestos/cement and metal surfaces from atmospheric, chemical and mechanical factors; As a floor covering in refineries, petrochemical and other industrial establishments, wine storage tanks, waste water, beer and malt industry facilities, pharmaceutical and food industry, hospitals, as well as industrial facilities where ground dust affects production without heavy traffic, in the construction industry, concrete or reinforced concrete formwork It is used on the inner surfaces of the panels to increase the number of uses.

Application features

Surface drying at -20°C :2-4 hours  
Full drying at -20°C :16-24 hours

Waiting time between coats : Minimum 24 and maximum 48 hours.  
If this time period is exceeded, the floor should be roughened with sandpaper for good adhesion.

Application Temperature

Application should not be made below +10°C.  
Curing Time: 7 days at 20°C. During this period, the paint film should not be exposed to any chemical and mechanical effects. This time can be shortened by curing for 1 hour at 65°C.

Surface preparation

New concrete and cement plaster must be cured for at least 21 days. Mortar residue on the cured surface, etc. After it is removed by light sandblasting or brushing, the selected primer is applied. Old paint, dirt, dust, etc. on the old concrete and cement plaster surface. Loose particles such as sandblasting, scraping, brushing

are removed. Oil and grease residues are cleaned with detergent water, if neutralization is required, the surface is wiped with 3-4% hydrochloric acid or acetic acid solution and washed with water. Before applying the chosen primer, it should be ensured that the floor is completely dry.

Application conditions

Application should not be made below +10°C. Ventilation is required for applications in closed areas.

Warnings and Suggestions

-Strictly no foreign substances should be added.  
-After the application, all used tools should be washed with thinner before they dry.  
- Mix the product at short intervals during operation.  
- Do not apply this product on surfaces that have not set yet.

Application tools

Brush, roller and airbrush apparatuses can be used.

Application

-Dust, swollen layers, dirt, oil, etc. on the surfaces to be applied. substances must be cleaned from the surface. After mixing the main material, hardener is added and mixed for 2-3 minutes until it becomes homogeneous. After the mixture is rested for 15 minutes, the application can be started. Material should not be prepared more than the amount that can be applied during the pot life.

Storage Conditions

- It can be stored for 12 months in a dry and cool environment, in its unopened package, between +5°C and +35°C. It should be protected from sun and frost.  
-Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

General Information

Physical form	Produced from Ral Catalogue Colors.
Shelf Life	See. Storage Conditions
Package	18 Kg (A) Component+6 Kg (B) Component=24 kg, 3 Kg (A) Component+1 Kg (B) Component=3 Kg, in Tin Cans.

Application Features

Surface drying at	-20°C :2-4 hours
Full drying at	-20°C :16-24 hours
Waiting time between coats	Minimum 24 and maximum 48 hours. If this time period is exceeded, the floor should be roughened with sandpaper for good adhesion.
Application temperature should not be below	+10°C -Cure Time 7 days at 20°C. During this period, the paint film should not be exposed to any chemical and mechanical effects. This time can be shortened by curing for 1 hour at 65°C.

Performance Information

Consumption It is 145-190 ml/m<sup>2</sup> in 3 layers in total, depending on the type, absorbency and structure of the surface to be applied. A total of 5-6,5 m<sup>2</sup> floor can be painted in 3 layers with 1 liter. In a single layer, it consumes 40-70 ml/m<sup>2</sup>. Controlled sample study should be done for definite consumption.

Note: Application should not be made below +10°C. Ventilation is required for applications in closed areas.

Reference Standards

Ministry of Public Works Pos. No: 15.540.1103



ARSELANS SOLVENT BASED EPOXY PAINT 6860



**Definition**  
Two component, solvent free Epoxy based glossy topcoat paint

**Field of application**  
In order to protect concrete and metal surfaces from atmospheric and chemical effects, refineries, petrochemical and other industrial establishments, ports and shipyards, drinking water and fuel tanks, treatment and waste water facilities, wine storage tanks, food industry, hospital and pharmaceutical industry, laboratory, It is used as floor and wall covering in industrial plants where floor dust affects production, such as in the textile and automotive industry.

**Application features**  
Specific Gravity : 1.42 gr/cm3 at 20°C  
Solid Matter :Volumetric 100%  
Surface drying at 20°C :4-6 hours  
Full drying at 20°C :16-24 hours  
Waiting time between coats :Max minimum 24 and maximum 48 hours. If this time period is exceeded, the floor should be roughened with sandpaper for good adhesion. Application Temperature: Application should not be made below +10°C. Curing Time: 7 days at 20°C. During

this period, the paint film should not be exposed to any chemical and mechanical effects. This time can be shortened by firing for 1 hour at 65°C. Resistant to dilute acids, dilute and concentrated alkalis, cleaning detergents and disinfectants, vegetable, mineral and animal oils, fresh water and sea water, diesel, gasoline, alcohol and many other solvents.

**Surface preparation**  
New concrete and cement plaster must be cured for at least 21 days. Mortar residue on the cured surface, etc. After it is removed by light sandblasting or brushing, the selected primer is applied. Old concrete and cement. Old paint, dirt, dust, etc. on the plaster surface. loose particles such as sandblasting, scraping, brushing are removed. Oil and grease residues are cleaned with detergent water, if neutralization is required, the surface is wiped with 3-4% hydrochloric acid or acetic acid solution and washed with water. Before applying the chosen primer, it should be ensured that the floor is completely dry.

**Application conditions**  
Should not be applied below +10°C.

**Warnings and Suggestions**  
-Strictly no foreign substances should be added.  
-After the application, all used tools should be washed with thinner before they dry.  
- Mix the product at short intervals during operation.  
- Do not apply this product on surfaces that have not set yet

**Application tools**  
It is applied with a short hard clay brush, short pile roller or Airless spray.

**Application**  
- Dust, swollen layers, dirt, oil, etc. on the surfaces to be applied. substances must be cleaned from the surface. After mixing the main material, hardener is added and mixed for 2-3 minutes until it becomes homogeneous. After the mixture is rested for 15 minutes, the application can be started. Material should not be prepared more than the amount that can be applied during the pot life.

**Storage Conditions**  
- It can be stored for 12 months in a dry and cool environment, in its original package, between +5°C and +35°C. It should be protected from sun

and frost. Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

ARSELANS RAPID PAINT 6910



**Description**  
Rapid Industrial Paint is a Styrene Alkyd based, air-drying glossy topcoat paint.

**Area of application**  
It is used for painting all kinds of machinery, painting of agricultural, household and garden tools, surfaces such as tractors, trailers, ecowats, transformers, auto radiator parts, painting of barrels, valves, steel cabinets and tables. Application properties Density (20°C , gr/cm³): 0.98 - 1.38 ( Depending on color) Drying Time (20°C): Powder drying: 40-50 minutes Touch drying: 20-25 minutes Full drying: 2-3 hours Solid Matter: 44.0 - 54.0 ( Depending on color) Thinner: Industrial thinner (941-041.2) Paintable Area: When applied to leave a dry film thickness of 40-45 µ in one coat, from 1 lt to 10-12 m² area can be covered. (Excluding losses)

**Surface preparation**  
Before the application, the surface should be cleaned of dirt such as dust, rust, oil, sandblasted to at least ST2 grade and primed with Arselans Rapid primer. After the primer application is completed, it should be waited for 12 hours to dry. Application conditions The surface temperature

must be at least 10°C. It should not be applied around the dew point and on wet damp surfaces.

**Warnings and Suggestions**  
Due to the presence of easily volatile and flammable solvents in the system, adequate ventilation should be provided in the workshops, open flames and high temperatures should be avoided. Mix well before application. Do not leave the lid of the package open. During application and curing, the temperature should be between 10°C and 35°C and the relative humidity should not exceed 70%. For suitable application conditions, the temperature of the paint itself should not fall below 12°C. In order to avoid condensation in the paint, the surface temperature of the material to be applied must be at least 3°C above the dew point.

**Application tools**  
Airless gun, airbrush

**Application**  
Arselans Rapid Paint should be thinned by 20 -25% with industrial thinner and applied with a spray gun angle between 40° and 80°. It is recommended to apply the second coat after 1-2 hours.

General Information	
Appearance	Produced from Ral Catalogue Colors.
Shelf Life	See. Storage Conditions
Packaging	18 Kg (A) Component+6 Kg (B) Component=24 kg, 3 Kg (A) Component+1 Kg (B) Component=4 Kg, in Tin Cans

Application Properties	
Specific Gravity	1.42 gr/cm³
Solid Matter at	20°C
Volumetric	100%
Surface drying at	20°C 4-6 hours
Full drying at	20°C 16-24 hours
Waiting time	between coats minimum 24 maximum 48 hour. If this time period is exceeded, the floor should be roughened with sandpaper for good adhesion.
Application temperature should not be below	+10°C. Curing Time 7 days at 20°C. During this period, the paint film should not be exposed to any chemical and mechanical effects. This time can be shortened by firing for 1 hour at 65°C.

Performance Information	
Consumption	Theoretically, about 4 m²/kg in one coat with 125 micron film thickness.
Note: Application should not be made below +10°C. Ventilation is required for applications in closed areas.	
Reference Standards	
Ministry of Public Works Pos. No: 15.540.1103	

General Information	
Physical form	White and Color Chart
Shelf Life	See Storage Conditions
Packaging	18 kg Tin bucket
Application Features	
Application Temperature between	+5°C and +35°C
Thinning (By Roller and Brush)	15%-20% with industrial thinner
Consumption (m² /L)	12-14
Consumption (m² /Kg)	10-12 *Absolute consumption requires a controlled sample study should be carried out.

Performance Information	
Density (20°C , gr/cm³)	0.98 - 1.38 (Depending on color)
Powder dry	40-50 minutes
Touch dry	20-25 minutes
Full dry	2-3 hours
Solids	44.0 - 54.0 (Depending on color)
Thinner Industrial thinner	(941-0412)
Note: The application features have been obtained as a result of the experiments carried out in the laboratory environment (230C and 50% relative humidity and no air flow) and may vary in different ambient conditions. The performance information has been tested in the environments specified by the product's standard, and the results may be observed differently in different environments.	
Reference Standarts	
Ministry of Public Works Pos. No: 04.013/1	

ARSELANS ROAD MARKING PAINT 6990



Description

- It is a chlorine rubber based, highly abrasionresistant matt paint used for road and pavement markings.

Application Field

- Cold road marking paint is used to mark traffic control lines of highways, sidewalks and pedestrian crossings. It can be applied on asphalt and concrete.

Application Features

- Completes touch dry in approximately 15 minutes at 20°C temperature and 65% relative humidity.  
- Its final drying period (period for opening to traffic) is approximately 45 minutes. (higher relative humidity and lower temperature may prolong drying time)

Surface Preparation

- In road marking applications, do not apply on loose ground and worn aggregate surfaces as much as possible.  
- It must be applied on clean and dry asphalt surface on condition that the temperature of the environment and asphalt is minimum 15°C and

the relative humidity is maximum 85% under environmental conditions without rainfall and breeze.

- The product must be protected from pedestrian and vehicle traffic until completing its hard drying (45 minutes at 25°C).

- If glass beads will be applied, the glass beads must be added to the paint immediately after the application of the paint in order to ensure brightness and therefore the road safety especially at night by reflecting the light from any source at the right angle.

- When the material is first applied on the road, the glass beads are invisible. However, after a while, they appear with the erosion of the traffic. Over time, they continue to reflect and the road markings look bright.

- Glossy surfaces must be roughened before application. For optimal surface performance, glass beads must be added to the product and application must be performed with airless systems.

Application Conditions

- It must be applied on clean and dry asphalt surface, provided that the temperature of the environment and asphalt is minimum 15°C and

the relative humidity is maximum 85% under environmental conditions without rainfall and breeze, and that there is no dust layer on the fresh paint film.

Warnings and Recommendations

- P101 If medical advice is required, keep the packaging or label.

- P102 Keep out of reach of children. - P103 Read label before use.

- P210 Keep away from heat/sparks/flame/not surfaces.

- No smoking. - P241 Use explosion-proof electrical/ventilation/ igniter/material. - P280 Wear protective gloves/protective clothing/ eye protection/face protection. - P303+P361+P353 IN CASE OF CONTACT WITH SKIN (OR HAIR): Remove/take off immediately all your contaminated clothing. Rinse your skin with water/shower.

- P405 Store locked up. - P501 Dispose of the content/ container in accordance with local/ regional/national/ international legislation

Application

It is recommended to use 319 nozzles in airless systems and spray at 130-140 bar, however, it will

be appropriate to test and continue accordingly.

During the application and until complete drying of the products, it has to be noted that the ambient and surface temperature is between +5°C and +30°C. - The tools must be cleaned with thinner immediately after application.

- Our products must be applied on the infrastructure surfaces constructed in accordance with the General Technical Specification of Construction no. 26568 dated 30.06.2007

Storage Conditions

- It can be stored in its unopened package in a cool and dry place protected from frost and direct sunlight.

- In order to store the remaining paint in the most secure way when residue is left in the packaging, the thinner used must be added until the top of the paint is completely covered, or the cap of the packaging must be tightly closed, rotated 180° 1-2 times and adjusted.

General Information

Appearance	Yellow, Grey, Blue and White
Shelf life	See storage conditions
Packaging	20 kg plastic bucket

Application Features

Application temperature Between	+5°C and +35°C
Thinning (spraying) With	5% thinner
Thinning (with roller and brush)	No thinning
Consumption	1.5-2 m² area at 350 micron dry film thickness can be painted with 1 kg.
Flash Point	<23°C

Note: Since this technical data sheet is normally prepared basing on laboratory data, consult technical personnel for details not sufficient above. Otherwise, errors arising from lack of information do not assume responsibility to the manufacturer. We reserve the right to change this information. If necessary, you can find detailed information about the risks and precautions related to the health, safety and transportation of the products on Material Safety Data Sheet.

Reference Standards

Complies with TS EN 1871.  
Item No: KGM/60.200







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Arkım **ARPLAST HAND**

Arkım **ARPLAST MAK**

Arkım **ARPLAST SATIN**

Arkım **ARTHERM AD**

Arkım **ARTHERM AD READY**

Arkım **ARPLAST LF**

Arkım **ARDEKOMIN THICK**

Arkım **ARDEKOMIN THIN**

Arkım **ARDEKOMIN LINE PATTERNED**



Arkim ARPLAST HAND 7111-7122



Definition

Cement-based, manually-applied, mill-mixed roughcast.

Area of application

-It is applied on interior and exterior brick, gas concrete, concrete, exposed concrete, pumice and briquette wall and ceiling surfaces.

Application features

-Using period: Max. 2 hours  
-Using period: Max. 20 minutes  
-Application thickness: 10-30mm  
-Applicable layer thickness: Max. 20mm  
-Time to wait between layers: Min. 1 day  
-Primer layer thickness: Max. 10 mm  
-Time to wait after priming: 30 min.

Surface preparation

-The surfaces on which ARKIM ARPLAST HAND will be applied must be cleared of dust, dirt, oil, etc. that prevent adherence.

-Any irregularities on the application surfaces, if any, are repaired with ARKIM ARREPAIR THIN or ARKIM ARREPAIR THICK.  
-It is necessary to make sure that the surface has been cured and robust.  
-If they are porous, the application surfaces must be dampened.  
-It is necessary to make sure that the application surface is robust, self-supporting and level.

Application conditions

-Ambient temperature should be between +5 °C and +35 °C  
-Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours.  
-Do not apply on surfaces under direct sun or strong wind, or hot surfaces.

Warnings and advices

-Strictly avoid adding foreign substances.  
-After the application, all tools used must be washed with water before letting them dry.

Application tools

Hand mixer, steel trowel, smoothing trowel, gauge interfacing

Application

-The container in which the mortar will be prepared must be clean and cleared of the remnants of the previous mixture.  
-It is necessary pay attention to cleanliness of the water and materials used.  
-The mortar must be prepared by using 5,5-6 liters of water and 25 kg of ARKIM ARPLAST HAND. Firstly, water is poured into the container, and then the powder is added slowly. They are mixed until a homogeneous mixture is obtained.  
-A low speed mixer must be used to obtain a homogeneous mixture.  
-After a homogeneous mixture has been obtained, the mortar is left to mature for 5-10 minutes.  
-Before starting the application, the mixture must be remixed for 1-2 minutes.  
-After the mixture has become homogeneous,

never add powder, water or another material. The mortar is applied to the application surface with steel trowel and mortar shovel.  
-The application thickness in one coat must remain between 10 mm and 30 mm. If a second layer of plaster is required, application must be made before previous layer is fully cured.  
-Surface finishing job is made 5-10 minutes later.  
-When the coating is so hardened that it does not move as you touch with your finger, it can be readjusted by using a trowel.  
Sponge clover is done briefly by wetting the surface approximately 30 minutes after correction operation, thus completing the process.  
-In order to reinforce the strength of the roughcast; it must be watered at regular intervals throughout 7 days after the application, depending on the ambient conditions.  
-The prepared mortar must be consumed within 2 hours.  
-The caked mortar in the container or the mortar the using period of which is over must be discharged.  
-Wash your hands and application tools with plenty of water after the application.

Storage conditions

-It is necessary to take care not to put more than 10 Kraft bags on top of each other in storage. -This product must be stored in dry indoor areas away from direct sunlight.  
-Bags must be stored so as not to contact with the ground in order them to be protected against humid.  
-Under such conditions, the product can be stored for 12 months as of the production date.  
-Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

General Information	
Physical form	Gray-white, powder
Shelf life	See storage conditions
Packaging	25 kg kraft bag Pallet: 64 pieces of 1600 kg in total
Application features	
Application temperature	Between +5 °C and +35 °C
Mixture ratio	5,5-6 L water/25 kg powder
Using period	Max. 2 hours
Workable period	Min. 60 minutes
Application thickness	10-30 mm
Applicable layer thickness	Max. 30 mm
Time to wait between layers	24 hours
Primer layer thickness	Max. 10 mm
Time to wait after priming	30 minutes
Consumption	Approximately 10-12 kg/m² (for 10 mm thickness)

Performance details	
Compressive strength	CS IV (≥ 6 N/mm²)
Dry bulk density	1500 ± 300 kg/m³
Thermal conductivity	Chart 2 T1 ≤ 0.54 W/mK (P=90%)
Adhesive strength	0,3 N/mm2 FP: A
Capillary water absorption (W0)	≤ 0,5 kg/m2 .min 0,5
Water capor permeability coefficient	≤ 30µ
Fire class A1	Temperature resistance Between -30°C and +60°C

Note: The application features have been determined in consequence of the tests conducted in laboratory environment (23 ± 2.0 C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients.

Reference Standards

TS EN 998-1 / Class: GP  
CE

Arkim ARPLAST MAK 7133 - 7144



Definition

Cement-based, machine-applied, mill-mixed roughcast

Area of application

-It is applied on interior and exterior brick, gas concrete, concrete, exposed concrete, pumice and briquette wall and ceiling surfaces.

Application features

-Using period: Max. 2 hours  
-Workable period: Max. 30 minutes  
-Application thickness: 10-30mm  
-Applicable layer thickness: Max. 20mm  
-Time to wait between layers: Min. 1 day  
-Primer layer thickness: Max. 10 mm -  
Time to wait after priming: 30 min.

Surface preparation

-The surfaces on which ARKIM ARPLAST MAK will be applied must be cleared of dust, dirt, oil, etc. that prevent adherence.

-Any irregularities on the application surfaces, if any, are repaired with ARKIM ARREPAIR THIN or ARKIM ARREPAIR THICK.  
-It is necessary to make sure that the surface has been cured and robust.  
-If they are porous, the application surfaces must be dampened. -It is necessary to make sure that the application surface is robust, self-supporting and level.

Application conditions

-Ambient temperature should be Between +5°C and +35 °C  
-Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours.  
-Do not apply on surfaces under direct sun or strong wind, or hot surfaces.

Warnings and advices

-Strictly avoid adding foreign substances.  
-After the application, all tools used must be washed with water before letting them dry.

Warnings and Suggestions

-Strictly no foreign substances should be added.  
-After the application, all the tools used should be washed with water before they dry.

Application tools

Hand mixer, steel trowel, smoothing trowel, gauge interfacing

Application

-The container in which the mortar will be prepared must be clean and cleared of the remnants of the previous mixture. -It is necessary pay attention to cleanliness of the water and materials used.  
-The mortar must be prepared by using 8,5-9 liters of water and 35 kg of ARKIM ARPLAST MAK.  
-Firstly, water is poured into the container, and then the powder is added slowly. They are mixed until a homogeneous mixture is obtained. -  
A low speed mixer must be used to obtain a homogeneous mixture.

-After a homogeneous mixture has been obtained, the mortar is left to mature for 5-10 minutes.  
-After the mixture has become homogeneous, never add powder, water or another material. The mortar is applied to the application surface with steel trowel and mortar shovel.  
-The application thickness in one coat must remain between 10 mm and 30 mm. If a second layer of plaster is required, application must be made before previous layer is fully cured.  
-Surface finishing job is made 5-10 minutes later.  
-When the coating is so hardened that it does not move as you touch with your finger, it can be readjusted by using a trowel.  
-Sponge clover is done briefly by wetting the surface approximately 30 minutes after correction operation, thus completing the process.  
-In order to reinforce the strength of the roughcast; it must be watered at regular intervals throughout 7 days after the application, depending on the ambient conditions.  
-The prepared mortar must be consumed within 2 hours.  
-The caked mortar in the container or the mortar the using period of which is over must be discharged.  
-Wash your hands and application tools

Storage conditions

-It is necessary to take care not to put more than 10 Kraft bags on top of each other in storage. -This product must be stored in dry indoor areas away from direct sunlight.  
-Bags must be stored so as not to contact with the ground in order them to be protected against humid.  
-Under such conditions, the product can be stored for 12 months as of the production date.  
-Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product

General Information	
Physical form	Gray-white, powder
Shelf life	See storage conditions
Packaging	35 kg kraft bag Pallet: 48 pieces of 1680 kg in total
Application features	
Application temperature	Between +5 °C and +35 °C
Mixture ratio	8,5-9 L water/25 kg powder Using
period	Max. 2 hours
Workable period	Min. 30 minutes
Application thickness	10-30 mm
Applicable layer thickness	Max. 20 mm
Time to wait between layers	24 hours
Primer layer thickness	Max. 10 mm
Time to wait after priming	30 minutes
Consumption	Approximately 10-12 kg/m² (for 10 mm thickness)

Performance details	
Compressive strength	CS IV (≥ 6 N/mm²)
Dry bulk density	1500 ± 300 kg/m³
Thermal conductivity	Chart 2 T1 ≤ 0.57 W/mK (P=90%)
Adhesive strength	0,3 N/mm2 FP: A
Capillary water absorption (W0)	≤ 0,5 kg/m2 .min 0,5
Water capor permeability coefficient	≤ 30µ
Fire class	A1
Temperature resistance	Between -30°C and +60°C

Note: The application features have been determined in consequence of the tests conducted in laboratory environment (23 ± 2°C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients

Reference standards

TS EN 998-1 / Class: GP  
CE



Arkim ARPLAST SATIN 7311



Definition

Cement-based, mill-mixed finish plaster

Area of application

-It is used on finished or smooth roughcast indoor and outdoor surfaces and facade sheath systems.

Application features

- Using period: Max. 2 hours
- Using period: Max. 60 minutes -
- Application thickness: 2-5 mm -
- Applicable layer thickness: Max. 2mm
- Time to wait between layers: Min. 12 hours
- Primer layer thickness: Max. 1 mm
- Time to wait after priming: 30 min

Surface preparation

- The surfaces on which ARKIM ARPLAST SATIN will be applied must be cleared of dust, dirt, oil, etc. that prevent adherence.
- Any irregularities on the application surfaces, if any, are repaired with ARKIM ARREPAIR THIN or

ARKIM ARREPAIR THICK

- It is necessary to make sure that the surface has been cured and robust.
- If they are porous, the application surfaces must be dampened.
- It is necessary to make sure that the application surface is robust, self-supporting and level.

Application conditions

- Ambient temperature should be between +5 °C and +35 °C
- Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours.
  - Do not apply on surfaces under direct sun or strong wind, or hot surfaces.

Warnings and advices

- Strictly avoid adding foreign substances.
- After the application, all tools used must be washed with water before letting them dry.

Application tools

Hand mixer, steel trowel, smoothing trowel, gauge interfacing

Application

- The container in which the mortar will be prepared must be clean and cleared of the remnants of the previous mixture.
- It is necessary pay attention to cleanliness of the water and materials used.
- The mortar must be prepared by using 7.5-8 liters of water and 20 kg of ARKIM ARPLAST SATIN.
- Firstly, water is poured into the container, and then the powder is added slowly. They are mixed until a homogeneous mixture is obtained.
- A low speed mixer must be used to obtain a homogeneous mixture.
- After a homogeneous mixture has been obtained, the mortar is left to mature for 5-10 minutes.
- Before starting the application, the mixture must be remixed for 1-2 minutes.
- After the mixture has become homogeneous,

- never add powder, water or another material. The mortar is applied to the application surface with steel trowel and mortar shovel.
- The application thickness in one coat must remain between 2 mm and 5 mm. If a second layer of plaster is required, application must be made before previous layer is fully cured.
  - Surface finishing job is made 5-10 minutes later.
  - When the coating is so hardened that it does not move as you touch with your finger, it can be readjusted by using a trowel.
  - Sponge clover is done briefly by wetting the surface approximately 30 minutes after correction operation, thus completing the process.
  - In order to reinforce the strength of the roughcast; it must be watered at regular intervals throughout 7 days after the application, depending on the ambient conditions.
  - The prepared mortar must be consumed within 2 hours.
  - The caked mortar in the container or the mortar the using period of which is over must be discharged.
  - Wash your hands and application tools with plenty of water after the application.

Storage conditions

- It is necessary to take care not to put more than 10 Kraft bags on top of each other in storage.
- This product must be stored in dry indoor areas away from direct sunlight.
- Bags must be stored so as not to contact with the ground in order them to be protected against humid.
- Under such conditions, the product can be stored for 12 months as of the production date.
- Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product

Arkim AR THERM AD 7211



Definition

Cement-based adhesive mortar for thermal insulating boards.

Area of application

- It is used to affix the polystyrene boards (XPS, EPS) facade sheathing for all buildings.
- Application features -Using period: Max. 2 hours
- Using period: Max. 10-15 minutes -Time to pass to apply plaster on the affixed insulating board: 2 days

Surface preparation

- The surfaces on which ARKIM AR THERM AD will be applied must be cleared of dust, dirt, oil, etc. that prevent adherence.
- Any irregularities on the application surfaces, if any, are repaired with ARKIM ARREPAIR THIN or ARKIM ARREPAIR THICK.
- It is necessary to make sure that the surface has been cured and robust.
- If they are porous, the application surfaces must be dampened.

- It is necessary to make sure that the application surface is robust, self-supporting and level.

Application conditions

- Ambient temperature should be between +5°C and +35 °C
- Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours.
- Do not apply on surfaces under direct sun or strong wind, or hot surfaces.

Warnings and advices

- Strictly avoid adding foreign substances.
- After the application, all tools used must be washed with water before letting them dry.
- Do not apply on weak surfaced with low strength.

Application tools

Hand mixer, steel trowel, notched trowel

Application

- The container in which the mortar will be prepared must be clean and cleared of the

remnants of the previous mixture.

- It is necessary pay attention to cleanliness of the water and materials used.
  - The mortar must be prepared by using 5.5-6 liters of water and 25 kg of ARKIM AR THERM AD.
  - Firstly, water is poured into the container, and then the powder is added slowly. They are mixed until a homogeneous mixture is obtained.
  - A low speed mixer must be used to obtain a homogeneous mixture.
  - After a homogeneous mixture has been obtained, the mortar is left to mature for 5-10 minutes.
  - Before starting the application, the mixture must be remixed for 1-2 minutes.
  - After the mixture has become homogeneous, never add powder, water or another material.
  - ARKIM AR THERM AD must be applied depending on flatness of the application surface.
- If the surface is flat, rear side of the board must be notched, and if the surface is not flat, the product must be applied by grouping the mortar on the back face of the board.

- During the bonding process, it is necessary to check whether the boards are at the same level using gauge and bubble level.
- The prepared mortar must be consumed within 3 hours.
- The caked mortar in the container or the mortar the using period of which is over must be discharged.
- Wash your hands and application tools with plenty of water after the application.
- Depending on the ambient temperature and the surface properties, mechanical dowel must be applied at least 24 hours later.

Storage conditions

- It is necessary to take care not to put more than 10 Kraft bags on top of each other in storage.
- This product must be stored in dry indoor areas away from direct sunlight.
- Bags must be stored so as not to contact with the ground in order them to be protected against humid.
- Under such conditions, the product can be stored for 12 months as of the production date.
- Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

General Information	
Physical form	Gray-white, powder
Shelf life	See storage conditions
Packaging 3	5 kg kraft bag Pallet: 48 pieces of 1680 kg in total

Application features	
Application temperature Between	+5 °C and +35 °C
Mixture ratio	7,5 - 8 L water/25 kg powder
Using period Max.	2 hours
Workable period Max.	60 minutes
Application thickness	2-5 mm
Applicable layer thickness Max.	2 mm
Time to wait between layers	12 hours
Primer layer thickness Max.	1 mm
Time to wait after priming 3	0 minutes
Consumption	Approximately 2 - 2,5 kg/m² (for 2 mm thickness)

Performance details	
Compressive strength	CS IV (≥ 6 N/mm²)
Dry bulk density	1500 ± 300kg/m³
Thermal conductivity	Chart 2 T1 ≤ 0.57 W/mK (P=90%)
Adhesive strength	0,3 N/mm2 FP: A
Capillary water absorption (W0)	≤ 0,5 kg/m2.min 0,5
Water capor permeability coefficient	≤ 30µ
Fire class	A1
Temperature resistance Between	-30°C and +60°C

Note: The application features have been determined in consequence of the tests conducted in laboratory environment (23 ± 2 0 C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients

Reference standards

TS EN 998-1 / Class: GP  
CE

General Information	
Physical form	White, powder
Shelf life	See storage conditions
Packaging	25 kg kraft bag Pallet: 64 pieces of 1600 kg in total

Application features	
Application temperature Between	+5 °C and +35 °C
Mixture ratio	5,5 - 6 L water/25 kg powder
Using period Max.	2 hours
Workable period Max.	10 - 15 minutes
Time to pass to apply plaster on the affixed insulating board	2 days
Consumption Approximately	3 - 5 kg/m

Performance Details	
Hollow Unit Volume Mass of Fresh Mortar	≥ 1000kg/m³
Sleeve analysis: Amount remaining on the sleeve with pressive Strength	1 mm mesh ≤ 91,0 Bending Strength ≥ 2 N/mm² Com- ≥ 6 N/mm²
Strength of Adhesion to Thermal Insulating Board	≥ 0,08 N/mm²
Water Absorption For 30 minutes,	≤ 5g
Water Absorption For 240 minutes,	≤ 10g
Strength of Adhesion to Lower Layer	≥ 0,5 N/mm²
Fire Class	A1
Temperature resistance Between	-30°C and +60°C

Note: The application features have been determined in consequence of the tests conducted in laboratory environment (23 ± 2 0 C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients.

Reference standards

TS 13566  
G  
Ministry of Public Works Pos. No. 04:480

Arkim ARTHERM AD READY 7212



Definition

Acrylic dispersion based, elastic ready-to-use, ready-made paste type adhesive mortar for thermal insulating board.

Area of application

-Used to attach thermal insulating boards (XPS-EPS-rock wool, etc.) on the surfaces such as painted surfaces, blanket coated panels, plasterboards, cement-based panels, gypsum plaster, wooden and prefabricated surfaces. Application features  
-Workable period: Maximum 20 minutes  
-Doweling period: Minimum 48 hours  
-Time to pass to apply plaster on the affixed insulating board: 2 days  
-Flexibility -Watertight but water vapor permeable  
-Ready-to-use, Solvent-free.

Surface preparation

-The surfaces on which ARKIM ARTHERM AD READY will be applied must be cleared of dust, dirt, oil, etc. that prevent adherence.  
-It is necessary to make sure that the surface has been cured and robust.  
-Any irregularities on the application surfaces, if any, are repaired with ARKIM ARREPAIR THIN,

ARKIM ARREPAIR THICK or ARKIM ARGIBS REPAIR

-The surface must be lined with ARKIM ARASTAR before the application.  
-It is necessary to make sure that the application surface is robust, self-supporting and level.

Application conditions

-Ambient temperature should be between +5°C and +35 °C  
-Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours.  
-Do not apply on surfaces under direct sun or strong wind, or hot surfaces.

Warnings and advices

-Strictly avoid adding foreign substances. -After the application, all tools used must be washed with water before letting them dry.  
-Do not apply on weak surfaced with low strength.  
-During the application, the product must be stirred occasionally. -Keep the cover of the package closed when the product is not used.

Application tools

Hand mixer, notched trowel, spatula, trowel

Application

-It is necessary pay attention to cleanliness of the materials used.  
-It must be mixed in its own bucket with a low speed mixer.  
-ARKIM ARTHERM AD READY is applied on the application surface or the thermal insulating board by combing with 8x8 mm notched trowel.  
-When applied with the double-sided bonding method, ARKIM ARTHERM AD READY will give better results.  
-The double-sided bonding method is application of the adhesive on both surfaces with the notched trowel so that the combing directions will be perpendicular to each other.  
-For better adhesion of the affixed thermal insulating board, it is necessary to apply force on the board (plastic mallet).  
-During the bonding process, it is necessary to check whether the boards are at the same level using gauge and bubble level.  
-Depending on the ambient temperature and the surface properties, mechanical dowel must be applied at least 48 hours later.

Storage conditions

-Must be stored in dry indoor areas away from direct sunlight.  
-Under such conditions, the product can be stored for 12 months as of the production date.  
-Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

General Information	
Physical form	White, paste type liquid component
Shelf life	See storage conditions
Packaging	20 kg plastic bucket In crates: 27 pieces of 540 kg
Application features	
Workable period	20 minutes
Doweling period: Minimum	48 hours
Time to pass to apply plaster on the affixed insulating board	2 days
Performance details	
Strength of adhesion to thermal insulating board	≥0,08N/mm²
Water vapor transmission rate	V1
Water transmission rate	W1
Strength of adhesion to lower layer	≥ 1 N/mm²
Temperature resistance Between	+5 °C and +30 °C
Note: The application features have been determined in consequence of the tests conducted in laboratory environment (23 ± 2 °C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients.	

Arkim ARPLAST LF 7222



Definition

Cement-based surface plaster for thermal insulating boards.

Area of application

-It is a plaster used on polystyrene boards (XPS, EPS) in all buildings. Thanks to polypropylene fibers, it delivers high performance against possible tensions on wall surfaces under cracking risk.

Application features

-Using period: Max. 90 minutes  
-Using period: Max. 20-30 minutes  
-Application thickness: 4 mm  
-Applicable layer thickness: Max. 2 mm  
-Time to wait between layers: Min. 3-4 hours  
-Time to wait for top coat: 7 days

General Information

Physical form	Gray, powder
Shelf life	See storage conditions
Packaging	25 kg kraft bag Pallet: 64 pieces of 1600 kg in total

Application features

Application temperature Between	+5 °C and +35 °C
Mixture ratio	5,5-6 L water/25 kg powder
Using period Max.	90 Minutes
Workable period Min.	20-30 minutes
Application thickness Max.	4 mm
Applicable layer thickness Max.	2 mm
Time to wait between layers	3-4 hours
Time to wait for top coat	7 Days
Consumption Approximately Approximately	3 - 3,5 kg/m²

Performance details

Hollow Unit Volume Mass of Fresh Mortar	≥ 1150kg/m³
Hollow Unit Volume Mass of Hardened Cement-based Plaster	1450±250 kg/m³
Thermal conductivity	Chart 2 T1 ≤ 0.48 W/mK (P=90%)
Sleeve analysis: Amount remaining on the sleeve with 1 mm mesh ≤	961,0
Thermal Conductivity	Chart 2 T1 ≤ 0.54 W/mK (P=90%)
Bending Strength	≥ 2 N/mm²
Compressive Strength	≥ 6 N/mm²
Strength of Adhesion to Thermal Insulating Board	≥ 0,08 N/mm²
Capillary Water Absorption	≤ 0,5 kg/m² . dk 0,5
Water Vapor Permeability Coefficient	μ ≤ 15
Fire Class	A1
Temperature resistance Between	-30°C and +60°C

Note: The application features have been determined in consequence of the tests conducted in laboratory environment (23 ± 2 0 C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients

Reference standards

TS 13687  
G  
Ministry of Public Works Pos. No: 04:481

Surface preparation

-The surfaces on which ARKIM ARPLAST LF will be applied must be cleared of dust, dirt, oil, etc. that prevent adherence.  
-Any irregularities on the application surfaces, if any, are repaired with ARKIM ARREPAIR THIN or ARKIM ARREPAIR THICK.  
-It is necessary to make sure that the surface has been cured and robust.  
-If they are porous, the application surfaces must be dampened.  
-It is necessary to make sure that the application surface is robust, self-supporting and level.

Application conditions

-Ambient temperature should be between +5°C and +35 °C  
-Do not apply on frozen, melting surfaces, or

surfaces likely to freeze within 24 hours.  
-Do not apply on surfaces under direct sun or strong wind, or hot surfaces.

Warnings and advices

-Strictly avoid adding foreign substances.  
-After the application, all tools used must be washed with water before letting them dry

Application tools

Hand mixer, steel trowel, fiber mesh

Application

-The container in which the mortar will be prepared must be clean and cleared of the remnants of the previous mixture.  
-It is necessary pay attention to cleanliness of the water and materials used.

-The mortar must be prepared by using 5,5-6 liters of water and 25 kg of ARKIM ARPLAST LF.  
-Firstly, water is poured into the container, and then the powder is added slowly. They are mixed until a homogeneous mixture is obtained.  
-A low speed mixer must be used to obtain a homogeneous mixture.  
-After a homogeneous mixture has been obtained, the mortar is left to mature for 5-10 minutes.  
-Before starting the application, the mixture must be remixed for 1-2 minutes.  
-After the mixture has become homogeneous, never add powder, water or another material. -The mortar is applied smoothly on thermal insulating boards with steel trowel.  
-The plaster fiber mesh is buried into the plaster mortar by pressing softly with steel trowel before the mortar dries.  
-The joints of the plaster fiber mesh are overlapped for almost 10 cm.  
-After the 1st coat of plaster has been dehydrated slightly, the 2nd coat of plaster is applied before it dries completely.  
-After the 2nd coat of plaster has been applied, the surface is leveled with steel trowel.  
-The prepared mortar must be consumed within 3 hours. -  
The caked mortar in the container or the mortar the using period of which is over must be discharged.  
-Wash your hands and application tools with plenty of water after the application.  
-After it has cured, the surface can be coated with any coating material.

Storage conditions

-It is necessary to take care not to put more than 10 Kraft bags on top of each other in storage.  
-This product must be stored in dry indoor areas away from direct sunlight.  
-Bags must be stored so as not to contact with the ground in order them to be protected against humid.  
-Under such conditions, the product can be stored for 12 months as of the production date.  
-Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.



Arkim ARDEKOMIN THICK / 7411



Definition

Cement-based, decorative, mineral plaster

Area of application

-It is used on finished and smooth roughcast surfaces in facade sheath systems. It is used as decorative coating on indoor and outdoor facade plasters.

Application features

-Using period: Max. 1 hour  
-Using period: Max. 30 minutes  
-Application thickness: 2 mm

Surface preparation

-The surfaces on which ARKIM ARDEKOMIN THICK will be applied must be cleared of dust, dirt, oil, etc. that prevent adherence.  
-Any irregularities on the application surfaces, if any, are repaired with ARKIM ARREPAIR THIN or ARKIM ARREPAIR THICK.  
-It is necessary to make sure that the surface has been cured and robust.  
-If they are porous, the application surfaces must be dampened.  
-It is necessary to make sure that the application

surface is robust, self-supporting and level.

-The surface must be dampened or lined with ARKIM ARASTAR before the application if necessary

Application conditions

-Ambient temperature should be between +5 °C and +35 °C  
-Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours.  
-Do not apply on surfaces under direct sun or strong wind, or hot surfaces.

Warnings and advices

-Strictly avoid adding foreign substances.  
-After the application, all tools used must be washed with water before letting them dry.

Application tools

Hand mixer, steel trowel, plastic trowel

Application

-The container in which the mortar will be prepared must be clean and cleared of the remnants of the previous mixture.  
-It is necessary pay attention to cleanliness of the water and materials used.

-The grout must be prepared by using 4,75-5,25 liters of water and 25 kg of ARKIM ARDEKOMIN.  
-Firstly, water is poured into the container, and then the powder is added slowly. It is mixed until no lump appears.  
-A low speed mixer must be used to obtain a homogeneous mixture.  
-After a homogeneous mixture has been obtained, it is let to settle for 5-10 minutes. Before starting the application, the mixture is remixed for 1-2 minutes.  
-After the mixture has become homogeneous, never add powder, water or another material.  
-The prepared mortar is applied on the surface in filler amount with steel trowel, and the surface is textured by circular movements using plastic trowel.  
-The prepared mortar must be consumed within 3 hours.  
-The product must be applied in a lump on interconnected surfaces.  
-It cannot be left on the surface as top coat construction material. It is compulsory to paint it after drying.  
-This product must not be applied in cases where the temperature may drop below +5 °C within 24 hours following the application. -Excessively

hot surfaces must be moisturized before the application.

-In order to conceal the joints on wide surfaces or working breaks, it is necessary to use paper band, or to work non-stop and with sufficient number of applicators to ensure wet on wet application before the material dries.  
-The material must not be used on horizontal surfaces exposed to rain.  
-The caked mortar in the container or the mortar the using period of which is over must be

Storage conditions

-It is necessary to take care not to put more than 10 Kraft bags on top of each other in storage.  
-This product must be stored in dry indoor areas away from direct sunlight.  
-Bags must be stored so as not to contact with the ground in order them to be protected against humid.  
-Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

Arkim ARDEKOMIN THIN / 7422



Description

Cement based decorative mineral plaster

Application Field

-It is used on the surface sheathing system, and on thin plastered and smooth rough plastered surfaces. It is used as decorative coating on internal and external wall plasters.

Application Features

-Use time max. 1 hour  
-Working time max. 30 minutes  
-Application thickness 2 mm

Surface Preparation

-The surfaces where ARKIM ARDEKOMIN THIN will be applied must be free from residues that will prevent adhesion such as dust, dirt, oil, etc.  
-If there are defects on the application surface, they are corrected with ARKIM ARREPAIR THIN or ARKIM ARREPAIR THICK.  
-It is necessary to make sure that the surface has been cured and robust.  
-If the application surface is porous, it must be wetted.  
-It is necessary to make sure that the application

surface is robust, self-supporting and level.

-The surface must be moistened or primed with ARKIM ARASTAR if necessary before application

Application Conditions

- Ambient temperature must be between +5°C and + 35°C.  
- Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours.  
- Do not apply on surfaces under direct sun or strong wind, or on hot surfaces.

Warnings and Recommendations

- Strictly avoid adding foreign substances.  
- After the application, all tools used must be washed with water before letting them dry.

Application Tools

Hand mixer, steel trowel, plastic trowel

Application

-The container in which the mortar shall be prepared must be clean and free from the residues of the previous mixture.  
-It is necessary to pay attention to cleanliness of the water and tools used.

-The mortar must be prepared at the rate of 25 kg ARKIM ARDEKOMIN THIN to 6,25-6,75 liters of water. -  
First put water into the container and then slowly add powder. Mix it until there are no lumps.  
-A low speed mixer must be used to make the mixture homogeneous.  
-After obtaining a homogeneous mixture, let it rest for 5-10 minutes. Mix it again for 1-2 minutes before application.  
-Once the mixture becomes homogeneous, never add powder, water or other substances.  
-The mortar is applied to the surface with a steel trowel at the filling size and the surface is textured with a plastic trowel by circular movements.  
-The mortar must be consumed within 3 hours.  
-It must be applied at once on the surfaces which are connected to each other.  
-It cannot be left on the surface as the top coat building material. It must definitely be painted after drying.  
-It must not be applied in cases where the temperature may fall below +5°C within 24 hours following the application.  
-Extremely hot surfaces must be moistened before application.  
-Paper tape must be used to prevent the joints

from appearing on wide surfaces and at work breaks, or a sufficient amount of applicator must be used to ensure wet application on wet without interruption and before the material dries.  
-The material must not be used on horizontal surfaces exposed to rain.  
-The expired or crusted mortar in the container must be discarded. -  
After application, hands and application tools must be washed with plenty of water.

Storage conditions

-It is necessary to take care not to put more than 10 Kraft bags on top of each other in storage. -  
This product must be stored in dry indoor areas away from direct sunlight.  
-Bags must be stored so as not to contact with the ground in order them to be protected against humid.  
-Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

General Information	
Physical form	White, powder
Shelf life	See storage conditions
Packaging	25 kg kraft bag Pallet: 64 pieces of 1600 kg in total

Application features	
Application temperature Between	+5 °C and +35 °C
Mixture ratio	4,75-5,25 L water/25 kg powder
Using period: Max.	60 minutes
Workable period	30 minutes
Application thickness	2 mm
Consumption Approximately	2,2 - 2,5 kg/m² (for 2 mm thickness)

Performance details	
Dry Film Thickness	Es
Particle Size Grade	S4
Water Vapor Transmission Rate	V2
Water Transmission Rate	W1
Crack Covering Feature	Ao
CO2 Permeability	Co
Temperature resistance Between	-30 °C and +60 °C

Note: The application features have been determined in consequence of the tests conducted in laboratory environment (23 ± 2.0 C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients

Reference standards

TS 7847  
G mark  
Ministry of Public Works Pos. No: 04476/A

General Information	
Physical form:	White powder
Shelf life:	See storage conditions
Packaging:	25 kg kraft bag Pallet: 64 pieces of 1600 kg in tota

Application features	
Application temperature Between	+5°C and +35°C
Mixture ratio	6,25-6,75 L water/25 kg powder
Using period: max	5 Hours
Workable period	30 minutes
Application thickness	1,2 mm
Consumption Approximately	1,8-2,1 kg/m²

Performance details	
Dry Film Thickness	Es
Particle Size Grade	S4
Water Vapor Transmission Rate	V1
Water Transmission Rate	W1
Crack Covering Feature	Ao
CO2 Permeability	Co T
emperature resistance Between	-30°C and +60°C

Note: The application features have been determined in consequence of the tests conducted in laboratory environment (23± 2°C and %50 ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients

Reference standards

TS 7847  
G mark  
Ministry of Public Works Pos. No: 04476/A



Arkim ARDEKOMIN LINE PATTERNED 7444



Description

Cement based decorative mineral plaster

Application Field

-It is used on the surface sheathing system, and on thin plastered and smooth rough plastered surfaces. It is used as decorative coating on internal and external wall plasters

Application Features

- Use time max. 1 hour -  
Working time max. 30 minutes  
- Application thickness 2 mm

Surface Preparation

-The surfaces where ARKIM ARDEKOMIN LINE PATTERNED will be applied must be free from residues that will prevent adhesion such as dust, dirt, oil, etc.  
-If there are defects on the application surface, they are corrected with ARKIM ARREPAIR THIN or ARKIM ARREPAIR THICK.  
-It is necessary to make sure that the surface has been cured and robust.  
-If the application surface is porous, it must be wetted.

- It is necessary to make sure that the application surface is robust, self-supporting and level.  
-The surface must be moistened or primed with ARKIM ARASTAR if necessary before application.

Application Conditions

- Ambient temperature must be between +5°C and + 35°C.  
- Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours.  
- Do not apply on surfaces under direct sun or strong wind, or on hot surfaces.

Warnings and Recommendations

- Strictly avoid adding foreign substances.  
- After the application, all tools used must be washed with water before letting them dry

Application Tools

Hand mixer, steel trowel, plastic trowel

Application

- The container in which the mortar shall be prepared must be clean and free from the residues of the previous mixture.  
- It is necessary to pay attention to cleanliness of the

water and tools used.  
- The mortar must be prepared at the rate of 25 kg ARKIM ARDEKOMIN LINE PATTERNED to 5-5,5 liters of water.  
- First put water into the container and then slowly add powder. Mix it until there are no lumps.  
- A low speed mixer must be used to make the mixture homogeneous.  
- After obtaining a homogeneous mixture, let it rest for 5-10 minutes. Mix it again for 1-2 minutes before application.  
- Once the mixture becomes homogeneous, never add powder, water or other substances. -The mortar is applied to the surface with a steel trowel at the filling size and the surface is textured with a plastic trowel by circular movements.  
-The mortar must be consumed within 3 hours -  
It must be applied at once on the surfaces which are connected to each other.  
- It cannot be left on the surface as the top coat building material. It must definitely be painted after drying.  
- It must not be applied in cases where the temperature may fall below +5°C within 24 hours following the application.  
- Extremely hot surfaces must be moistened before application. - Paper tape must be used

to prevent the joints from appearing on wide surfaces and at work breaks, or a sufficient amount of applicator must be used to ensure wet application on wet without interruption and before the material dries.  
-The material must not be used on horizontal surfaces exposed to rain. - The expired or crusted mortar in the container must be discarded.  
- After application, hands and application tools must be washed with plenty of water.

Storage conditions

-It is necessary to take care not to put more than 10 Kraft bags on top of each other in storage.  
-This product must be stored in dry indoor areas away from direct sunlight.  
-Bags must be stored so as not to contact with the ground in order them to be protected against humid.  
-Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

General Information

Physical form:	White, powder
Shelf life:	See storage conditions
Packaging:	25 kg kraft bag Pallet: 64 pieces of 1600 kg in total

Application features

Application temperature Between	+5°C and +35°C
Mixture ratio	5,5 - 6 L water/25 kg powder
Using period: max	5 Hours
Workable period	30 minutes
Application thickness	2 mm
Consumption Approximately	2,5 - 3 kg/m²

Performance details

Dry Film Thickness	E <sub>5</sub>
Particle Size Grade	S <sub>4</sub>
Water Vapor Transmission Rate	V <sub>2</sub>
Water Transmission Rate	W <sub>1</sub>
Crack Covering Feature	A <sub>0</sub>
CO <sub>2</sub> Permeability	C <sub>0</sub>

Temperature resistance Between -30°C and +60°C

Note: The application features have been determined in consequence of the tests conducted in laboratory environment (23± 2°C and %50 ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients

Reference standards

TS 7847  
G mark  
Ministry of Public Works Pos. No: 04476/A







www.arkim.tc

08 | **ARKİM** | Floor Systems

Arkim ARFLOOR SL

Arkim ARFLOOR SL-20

Arkim ARFLOOR QUARTZ





Arkim ARFLOOR SL 8111



**Definition**  
Cement-based, self-leveling screed.

**Area of application**  
-Indoors and dry environments.  
-Houses, hospitals, education facilities, shopping malls, shops and general stores.  
-It is used to level a surface prior to coating it with ceramic, granite, marble, veneer, parquet, laminate, carpet and PVC.  
-It is also used as the leveling screed before final coating of the interior floors which are subject to medium to heavy foot traffic in all buildings.

**Application features**  
-Self-leveling period: 15 minutes  
-Time to open to foot traffic: 8-24 hours  
-Application thickness; medium foot traffic: 1-10 mm, heavy food traffic: 3-10 mm

**Application features**  
-Self-leveling period: 15 minutes  
-Time to open to foot traffic: 8-24 hours  
-Application thickness; medium foot traffic: 1-10 mm, heavy food traffic: 3-10 mm Surface preparation  
-The surfaces on which ARKIM ARFLOOR SL will be applied must be cleared of dust, dirt, oil, etc. that prevent adherence through aspiration, sweeping or other methods.

-Any irregularities on the application surfaces, if any, are repaired with ARKIM ARREPAIR THIN or ARKIM ARREPAIR THICK.  
-It is necessary to make sure that the surface has been cured and robust.  
-Make sure to prime the surface with ARKIM ARASTAR to increase its resistance to absorption and smoothness.

**Application conditions**  
-Ambient temperature should be between +5°C and +30 °C  
-Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours.  
-Do not apply on floor-heated hot surfaces.  
Warnings and advices  
-Strictly avoid adding foreign substances.  
-Pay attention to the water/powder ratio of the mix. Otherwise, it may cause cracks, collapses, dusting and strength reduction.  
-After the application, all tools used must be washed with water before letting them dry.

**Application tools**  
Hand mixer, steel trowel, rolle

**Application**  
-The container in which the mortar will be prepared must be clean and cleared of the remnants of the previous mixture.

-It is necessary to pay attention to cleanliness of the water and materials used.  
-The mortar must be prepared by using 5-5.5 liters of water and 25 kg of ARKIM ARFLOOR SL.  
-The prepared mortar is cured for 2 - 3 minutes and then remixed and used.  
-Pour the prepared fluid mortar on the surface.  
Use spiked roller to prevent any air bubbles inside the product during the application, and adjust the thickness by refining through steel trowel in places if necessary to facilitate the leveling process.  
-It is necessary to carry out the application uninterruptedly to prevent the formation of cold joints during the applications on wide areas.  
Therefore, in order to ensure uninterrupted pouring, it is necessary to prepare the material in multiple buckets, and the application must be completed by pouring their contents on the floor successively.  
-The mixture in the vessel must be consumed within 30 - 35 minutes.  
-Never add powder and water to mortar the using period of which is over.  
-The material must be prevented from drying quickly.  
-It is necessary to wait for at least 3 days to cover it.  
-This product cannot be applied outdoors, in industrial areas.  
-It cannot be applied on humid, wet floors.

**Storage conditions**  
-It is necessary to take care not to put more than 10 Kraft bags on top of each other in storage. This product must be stored in dry indoor areas away from direct sunlight.  
-Bags must be stored so as not to contact with the ground in order them to be protected against humid.  
-Under such conditions, the product can be stored for 12 months as of the production date.  
-Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

General Information	
Physical form	Gray, powder
Shelf life	See storage conditions
Packaging	25 kg kraft bag Pallet: 64 pieces of 1600 kg in total

Application features	
Application temperature Between	+5 °C and +35 °C
Mixture ratio	5 - 5,5 L water/25 kg powder
Self-leveling period	15 minutes
Time to open to foot traffic	8- 24 hours
Application thickness; medium foot traffic	1 - 10 mm A
pplication thickness; heavy food traffic	3 - 10 mm
Consumption Approximately	1,6-1,8 kg/m2 (for 1 mm thickness)

Performance details	
Compressive Strength	≥ 25 N/mm²
Bending Strength	≥ 7 N/mm²
Capillary Water Absorption	≤ 0,1 kg/m2 dk 0,5
Adhesive Strength	≥ 1 N/mm²T
emperature resistance Between	-30°C and +60°C

Note The application features have been determined in consequence of the tests conducted in laboratory environment (23 ± 2 °C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients.

Reference standards
TS EN 13813 CT-C25-F6

ARKİm ARFLOOR SL-20 8122



**Definition**  
It is a cement-based self-leveling leveling screed that can be applied between 2-20mm.

**Area of Application**  
-Used indoors and in dry environments. Such as residences, hospitals, educational buildings, shopping malls, stores and markets. - It is used to level the surface before laying ceramic, granite, marble, wood, parquet, laminate, carpet and PVC coatings. It is used as a leveling screed before the final coating on the interior floors of all buildings exposed to medium and heavy traffic.

**Application Features**  
-Spontaneous spreading time of the mortar 15 minutes  
-Time required to open to traffic: 8-24 hours  
-Application thickness; medium pedestrian traffic: 2-20 mm, high-intensity pedestrian traffic: 2-20 mm

**Surface Preparation**  
-The surfaces on which ARKIM ARFLOOR SL-20 will be applied must be cleaned of dust, dirt, oil, etc. by aspiration, sweeping and other means. It should be cleared of residues that will prevent sticking, such as  
-If there are defects on the application surface, they are It is necessary to make sure that the

surface has been cured and robust surface should be cured and sound.  
-To increase resistance to absorbency or smoothness, be sure to prime the surface with ARKIM ARASTAR.

**Application Conditions**  
-Ambient temperature between +5°C and +30°C,  
-It should not be applied on surfaces that are frozen, melting or there is a danger of frost within 24 hours.  
- It should not be applied on floors with underfloor heating in hot condition.

**Warnings and Suggestions**  
-Strictly no foreign substances should be added.  
-Pay attention to the water/powder ratio of the mixture. Otherwise, deterioration of this ratio may cause cracks, collapses, dusting, and low strength.

**Application Tools**  
Hand mixer, steel trowel, roller

**Application**  
-The container in which the mortar will be prepared must be clean and free from the residues of the previous mixture. Attention should be paid to the cleanliness of the water and materials used.  
-The mortar should be prepared at the rate of 25

kg ARKIM ARFLOOR SL-20 to 5-5.5 liters of water.  
-The prepared mortar is rested for 2-3 minutes to mature and used by mixing again.  
- Pour the prepared mortar with a flowing consistency on the surface. Use a spiked roller to avoid air bubbles in the product during the application and, if necessary, make some corrections with a steel trowel and adjust the thickness to facilitate the spreading process.  
Uninterrupted application is required to prevent cold joint formation in applications in large areas. For this reason, in order to ensure the continuity of the pouring process, the material should be prepared in more than one bucket, and the application should be completed by pouring them one after the other. -The mixture in the container should be consumed within approximately 30 - 35 minutes.  
-Do not add powder and water to the mortar that has expired.  
-Fast drying of the material should be prevented.  
-It should be waited for at least 3 days for it to be coated.  
-It is not applied in outdoor, industrial areas. - Not applicable on wet surfaces exposed to moisture.

**Storage Conditions**  
- Care should be taken to place a maximum of 10 layers of kraft bags on top of each other during storage. It should be stored indoors and in areas

away from direct sunlight.  
-The bags should be stored in such a way that they do not touch the ground and be protected from moisture. -Under these conditions, the product can be stored for 12 months from the date of manufacture.  
- Improper storage conditions or exceeding the period of use may deteriorate the qualities of the product.  
-Under these conditions, the product can be stored for 12 months from the date of manufacture.

General Information	
Appearance	Grey-White, Powder
Shelf Life	See Storage Conditions
Packaging In	25 kg Kraft Bag 64 pieces on Pallet, 1600 kg

Application Properties	
Appication Temperature Between	+5 °C and +35 °C
Mixing Ratio	5-5.5 L water/25 kg powder
Self-levelling Time of Mortar	15 minutes
Time Required to Open to Traffic	8-24 hours A
pplication Thickness; Medium Intensity Pedestrian Traffic	2-20mm
Application Thickness; High Density Pedestrian Traffic	2-20mm
Consumption Approximately	1.6-1.8 kg/m2 (for 1 mm layer thickness)

Performance Information	
Compressive Strength	≥ 25 N/mm²
Flexural Strength	≥ 6 N/mm²
Capillary Water Absorption	≤ 0.1 kg/m².min0.5
Bond Strength	≥ 1 N/mm²
Temperature resistance	-30 °Cwith +60 °
Note: The application properties are provided as a result of experiments carried out in a laboratory environment (23±2°C and 50±5% relative humidity and no air flow) and may vary under different ambient conditions. The performance information has been tested in the environments specified by the product's standard, and the results may be observed differently in different environments.	

Reference standards
TS EN 13813 CT-C25-C6



Arkim ARFLOOR QUARTZ 8211



**Definition**  
Surface hardening mortar composed of special type cement, high quality quartz aggregate and performance enhancer chemical additive applied monolithically on fresh concrete surfaces.

**Area of application**  
-It is applied on all floor coverings desired to have high mechanical abrasion resistance and not to emit dust. -Indoors and outdoors, -Factories, business centers, -Garages, parking lots and basement floors, -Hangars and mechanical shops, -Loading and unloading areas, -Subway stations and underground passes, -Parks and gardens, pedestrian ways and sidewalks.

**Application Features**  
-Aggregate Hardness: 7 Mohs Scale -3 different color options

**Application features**  
-Aggregate Hardness: 7 Mohs Scale -3 different color variations  
Surface preparation  
-If ARKIM ARFLOOR QUARTZ will be applied on old concrete, first of all, it is necessary to cast at least 7.5 cm thick C.25 concrete. -  
The surface of the application fresh concrete must be leveled with wooden trowel, not finished with steel trowel or heli-trowel.  
-The application concrete must be wet enough so that ARKIM ARFLOOR QUARTZ can get the

moisture it needs. The wetness degree of the surface is extremely important. If the surface is wetter than necessary, ARKIM ARFLOOR QUARTZ will get lost in the thickness of the concrete and lose its effectiveness. If the surface is drier than necessary, the product will not adhere to the surface, and the result will be negative

**Application conditions**  
-Ambient temperature should be between +5°C and +35°C  
-Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours.  
-Do not apply the product when the weather is too humid and/or too hot, or under high wind or sun.

**Warnings and advices**  
-Strictly avoid adding foreign substances. -Do not apply excessive finish; avoid throwing the product far away during the application to prevent separation of the quartz aggregate from the cement.  
-Before applying ARKIM ARFLOOR QUARTZ, the surface must not be finished with steel trowel or heli-trowel.  
-After the application, all tools used must be washed with water before letting them dry.  
Application tools Finishing tray, Finishing slicker, Heli-trowel, Sprinkling equipment


**Application Tools**  
Trowel tray, Trowel blade, Helicopter, Scattering equipment

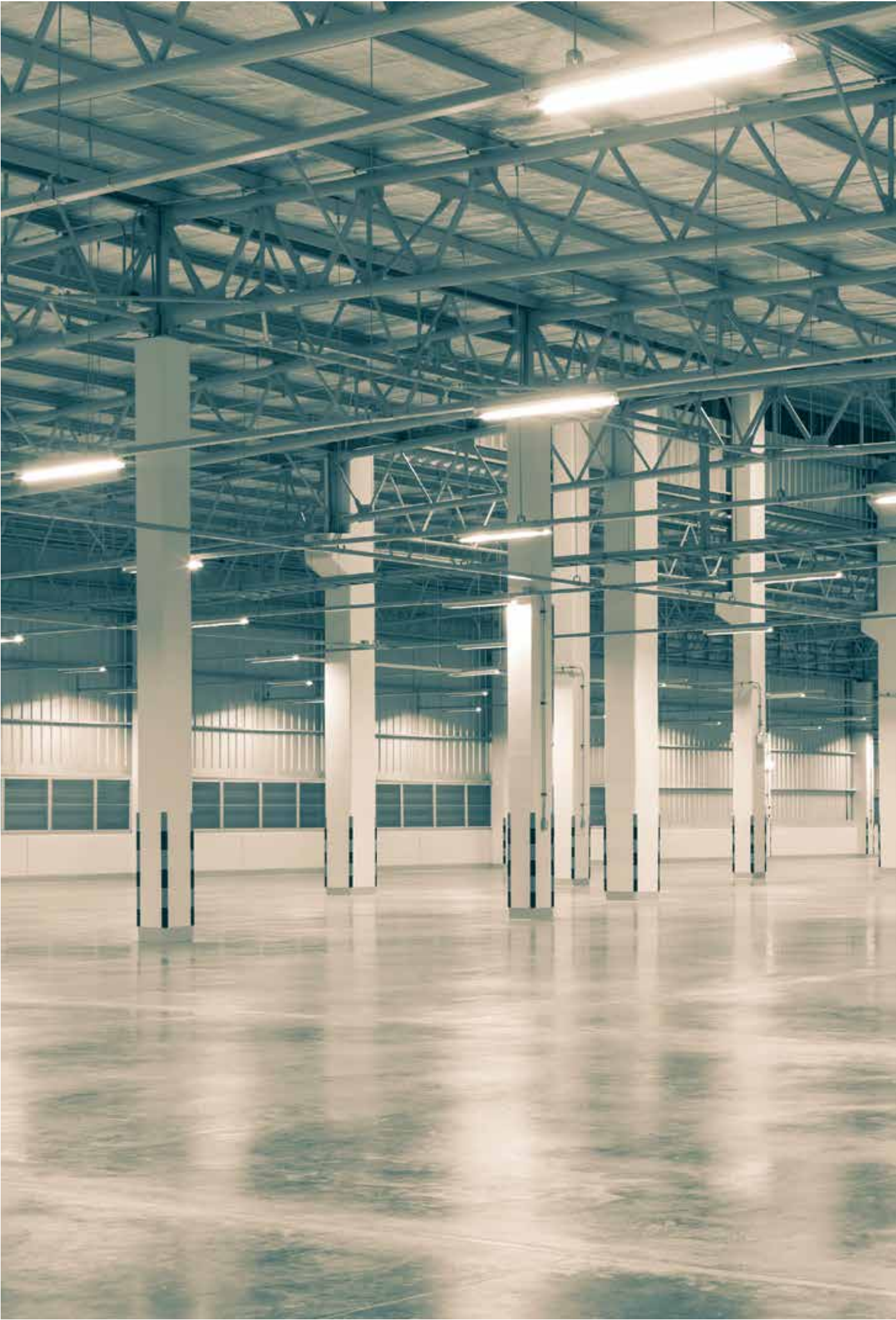
**Application**  
-Depending on the surface dimensions, 4 - 5 m wide anodes are placed one full and one empty. Wire mesh is inserted into the anodes where necessary, and the elevation survey is completed. In order to ensure that ARKIM ARFLOOR QUARTZ spreads over the surface in the best way, the sprinkling process must be carried out at both sides of the anodes.

-When the concrete has set to an extent that only a footprint no deeper than 2 - 3 mm will remain when it is stepped on, ARKIM ARFLOOR QUARTZ is sprinkled and dispersed over the floor uniformly by hand or mechanical sprinkler. The material must not be left in lumps on the surface, but instead, dispersion as homogeneous as possible must be ensured. Besides, it is necessary to avoid sprinkling the product far away to prevent separation of the aggregates inside the product.  
-Wait for the material to absorb the water of the concrete and acquire a dark color. Take care to have a uniform floor color. Ensure that material is integrated with the floor thoroughly by using a wooden trowel.  
-Some material is sprinkled around the anode and dilatation joints that bear the heaviest load to form 8-cm strip, and applied deeply with a wooden trowel.  
-When the surface is hard enough to walk on, it is finished with steel trowel (helicopter).  
-Then, slicker finish is applied until the desired gloss is acquired. -6 - 12 hours after the application, the curing material must be used to prevent the

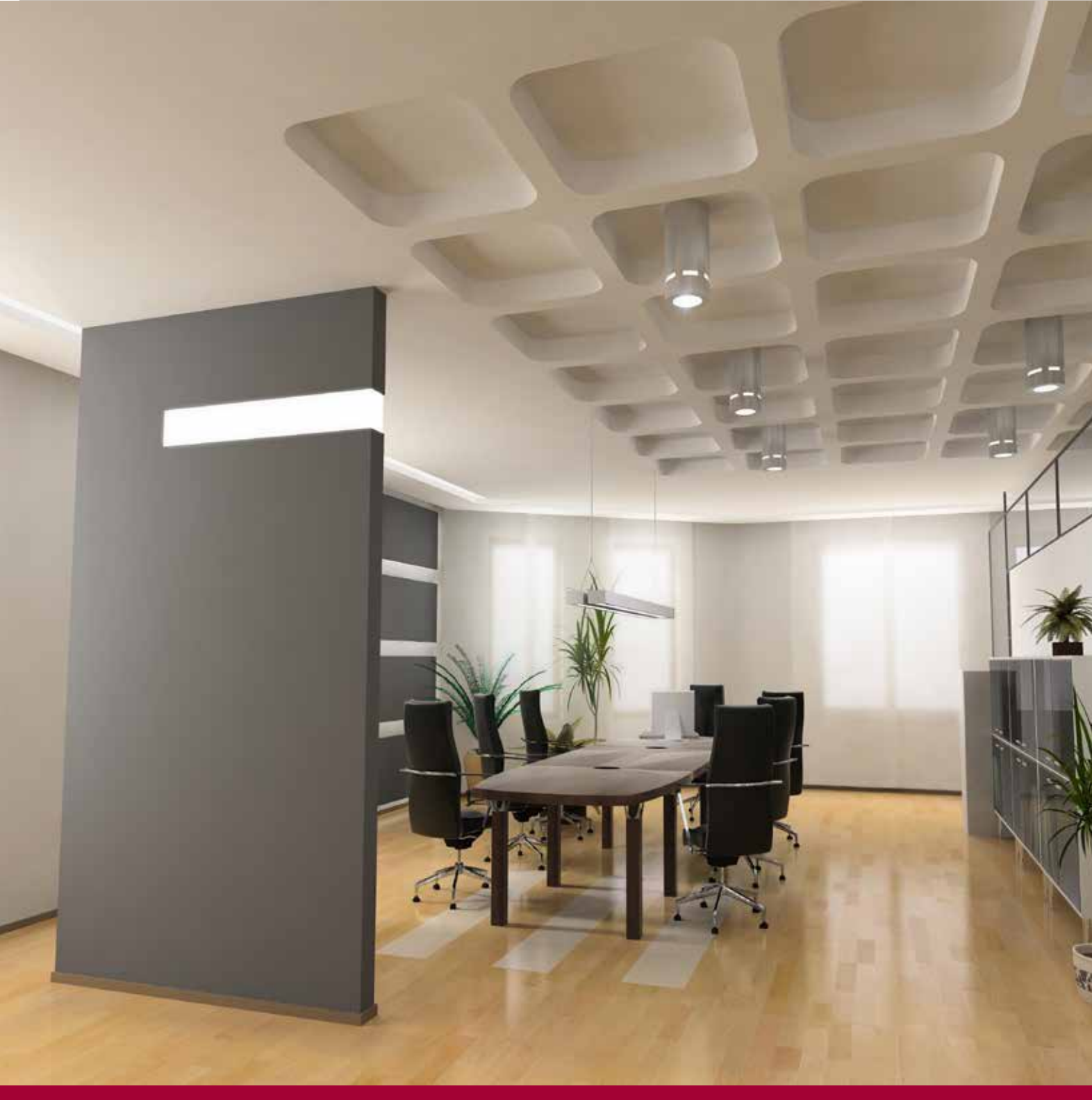
surface from losing more water than required.  
-The joint cutting process must be carried out no later than 2 - 3 days after casting the concrete. The joints must be filled with polyurethane mastic and polyethylene backing rod.

**Storage conditions**  
-It is necessary to take care not to put more than 10 Kraft bags on top of each other in storage. This product must be stored in dry indoor areas away from direct sunlight.  
-Bags must be stored so as not to contact with the ground in order them to be protected against humid.  
-Under such conditions, the product can be stored for 12 months as of the production date.  
-Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

General Information	
Physical form	Gray-red-green, powder, powder 
Shelf life	See storage conditions
Packaging	25 kg kraft bag Pallet: 64 pieces of 1600 kg in total
Application features	
Application temperature Between	+5 °C and +30 °C
Mixture ratio none mix Aggregate Hardness	7 Mohs
Scale Consumption	4,5 - 5 kg/m²
Performance details	
Abrasion Resistance	≤ 3g Impact
Resistance	S II min. 10Nm
Capillary Water Absorption	≤ 0,1 kg/m² .dk 0,5
Lower Layer	≥ 0,8 N/mm²
Temperature resistance Between	-30°C and +60°C
Note: The application features have been determined in consequence of the tests conducted in laboratory environment (23 ± 2°C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients	
Reference standards	
TS EN 1504-2	







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09 | **ARALCI** | GYPSUM RANGE

Aralcı **PERLITE GYPSUM**

Aralcı **MACHINE GYPSUM**

Aralcı **ARMORE CONCENTRATE MACHINE GYPSUM**

Aralcı **SATIN FINISHING COAT GYPSUM**

Aralcı **MOULDING PLASTER**

Aralcı **PLASTERBOARD ADHESIVE GYPSUM**

Aralcı **PLASTERBOARD GROUTING PLASTER**

Aralcı **PLASTERBOARD JOINT FILLER PLASTER**

Aralcı **REPAIR CONSTRUCTION GYPSUM**

Aralcı **CORNER PROFILE OF GYPSUM**





Aralçı PERLITE PLASTER 9111



Description

- Manual freezing and processing times elongated, with increased heat and sound insulation plaster .

Area of Application

-Easily applied to brick, briquette, gas concrete, concrete and exposed concrete type surfaces. Application Features Using period: 100-120 minutes Application thickness: min. 10mmmax. 20mm Setting time: after 60-80 minutes It is a non-combustible building material. Does not produce bacteria and fungi.

Surface Preparation

-The surfaces to be applied should be free of dust, dirt, oil, etc. It should be cleared of residues that will prevent sticking, If there are defects on the application surface, they are corrected with ARKİM ARREPAIR THIN or ARKİM ARREPAIR THICK. - Care should be taken to ensure that the surface is cured and robust. -Metal surfaces should be protected against rust before applying.

- ARKİM ARKONTAK primer should be used, which increases the adherence to make roughening on exposed concrete, ceilings and walls.

Application Conditions

-Ambient temperature between +5 °C and +30°C, -It should not be applied on surfaces that are frozen, melting or where there is a danger of frost within 24 hours. -It should not be applied under direct sun, strong wind or on hot surfaces. -Applied surfaces should never come into contact with water.

Warnings and Suggestions

- Pay attention to the water / plaster ratio of the mixture. Otherwise, deterioration of this ratio may cause spills, cracks and low strength. -Do not apply in very hot, dry and windy environments. As a result of applications to be made in extremely hot environments, spills, cracks and strength losses may occur. -Pay attention to product storage conditions. Products should not be stored in humid and very

hot environments.

-It should never be used when there are situations such as petrification in the bag. -Dust should not be inhaled as it contains various chemical additives and gypsum. It should not come into contact with skin and eyes. In case of contact, wash with plenty of water. Work clothes such as masks and gloves should be used during work.

Application Tools

Hand mixer, plaster trowel, gauge, steel trowel

Application

-The container in which the mortar will be prepared must be clean and free from the residues of the previous mixture. Attention should be paid to the cleanliness of the water and materials used. -The water used in the mixture should not be salty, acidic or oily. The water temperature should be between 17 and 23°C. -The mortar should be prepared at the rate of 10 kg ARALÇI PERLITE in 5-5.5 liters of water.

-Water is first poured into the container and then ARALÇI PERLITE PLASTER is added. Wait about 2 minutes for the plaster to absorb the water. It is ensured that the mortar reaches a homogeneous consistency by mixing it thoroughly with a trowel or hand mixer. -If a mechanical mixer is used in mixing, it should be operated at low speed. Because high cycle increases plaster consumption and causes problems such as early freezing. -Water or gypsum should not be added to the mortar after mixing in order to prevent the plaster from clumping. -The surface to be applied must be wetted just before the application. -The surface is smoothed by using an aluminum gauge and excess mortar is removed. -After the plaster has hardened sufficiently, shaving is done using a steel trowel and the roughness of the surface is smoothed. -The application thickness should be at least 8 mm on the ceiling and at most 10 mm on the other facades, 10-20 mm. If the second coat is required, the application should be done without getting the first coat set. It should not be applied more than one coat on the ceiling surfaces and more than two coats on the other surfaces. -No other product or material should be mixed with ARALÇI PERLITE PLASTER. -The surface of ARALÇI PERLITE PLASTER should be protected from the wind against rapid drying.

Storage Conditions

-A maximum of 18 bags should be placed on top of each other in a dry environment. Bags should be stored in such a way that they do not touch the ground and be protected from moisture. Under these conditions, ARALÇI PERLITE PLASTER should be used within 12 months from the production date. Improper storage conditions or exceeding the period of use may deteriorate the qualities of the product.

Aralçı MACHINE PLASTER 9211



Definition

It is ready-to-use gypsum plaster whose setting and processing times have been lengthened and heat and sound insulation characteristics have been increased, and applied by spraying with a machine.

Area of Application

-Easily applied to brick, briquette, gas concrete, concrete and exposed concrete type surfaces.

Application features

-Time to readjust: Max. 60 minutes  
-Time to use devil float: 90 – 120 minutes  
-Time to use steel trowel: 120 – 150 minutes  
-Application thickness: for ceilings min. 8 mm, max. 10mm, for other surfaces 10-20mm (for a single coat) Setting Time: Min. 50 minutes  
-An inflammable construction material. -Never allows bacterial or fungi growth.

Surface preparation

The application surfaces must be cleared of dust, dirt, oil, etc. that prevent adherence. -Any irregularities on the application surfaces, if any, are repaired with ARKİM ARREPAIR THIN or ARKİM ARREPAIR THICK. -It is necessary to make sure that the surface has been cured and robust. -Metal surfaces must be protected against corrosion before application. -Aluminum screed rails should be placed on the wall vertically prior to the application. -Exposed concrete, ceiling and wall roughening process must be done using ARKİM ARKONTAK primer increasing the adherence.

Application conditions

-Ambient temperature should be between +5°C and +30 °C  
-Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours. -Do not apply on surfaces under direct sun or

strong wind, or hot surfaces.

-The newly applied surfaces must be protected against water contact definitely.

Warnings and advices

-Pay attention to the water/plaster ratio of the mix. Otherwise, it may cause spalling, cracks or strength reduction. -Do not apply in very hot, dry or windy environments. If applied in very hot environments, it may cause spalling, cracks and strength reduction consequently. -Pay attention to the product storing conditions. Do not keep the product in humid or very hot places. -In case any petrification is found out in the bag, do not use the product. -Do not breath its powder since it consists of various chemical additives and plaster. Avoid contact with skin and eyes. In case of contact, wash your skin/eyes with plenty of water. Use protective equipment such as mask, gloves etc. during the works.

Application tools

Hand mixer, plastering trowel, floating rule, steel trowel, aluminum screed rails

Application

-It is necessary to pay attention to cleanliness of the water and materials used. -The water used in the mixture should not be salty, acidic or oily. The water temperature must be between 17 and 23 °C. -The mortar must be prepared by using 5-5.5 liters of water and 10 kg of ARGIPS MACHINE PLASTER. -Aluminum screed rails are placed on the surface to determine the plaster thickness before application. -It must be ensured that the the application surface is moistened prior to application. -ARKİM ARGIPS MACHINE should be sprayed in horizontal stripes on the application surface with the same density without leaving any spaces. -The application thickness in one coat must be 8 to 10 mm on ceiling, and 10 to 20 mm on the other facades. If a second layer of plaster is required, application must be made before previous layer is fully cured. The application must not exceed one coat on ceilings and two coats on the other surfaces. Surface finishing job is made 5-10 minutes later. -When the coating is so hardened that it does not move as you touch with your finger, it can be readjusted by using a trowel. -Sponge clover is done briefly by wetting the surface approximately 30 minutes after correction operation. -After the plaster reaches a certain level of hardness, the surface is corrected with a steel trowel. -Polishing operation is done approximately 120 minutes later with a steel trowel. -Appropriate plaster mesh should be used on points where different materials join together. -Newly coated surface shouldn't be dried by using heaters. The best method for drying is to ventilate the environment. Every part of the coating shall be dried equally by this way. -Coating surface should be protected from the wind so as not to be dried quickly

Storage conditions

-Bags must be stored in a dry place and to a height that does not exceed 18 bags. Bags must be stored so as not to contact with the ground in order them to be protected against humid. ARGIPS MACHINE PLASTER stored as described above must be used within 12 months as of the production date. Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

General Information	
Appearance	White, powder
Shelf Life	See Fig. Storage Conditions
Packaging	30 - 35 kg Polypropylene laminated bag
Application Features	
Application Temperature	(+5 °C) to (+35 °C)
Mixing Ratio	5-5.5 L water/10 kg powder
Usage Time	100 - 120 minutes
Setting time 6	0 - 80 minutes
Application Thickness minimum	10 mm - maximum 20 mm
Consumption	7.5 - 8 kg/m2 (for 10 mm thickness)
Performance Information	
Bending Strength	≥ 1 N/mm²
Compressive Strength	≥ 2 N/mm²
Adhesion Strength	≥ 0.1 N/mm²
Percentage of Calcium Sulphate	≥ 50%
Setting start time:	≥ 20 minutes
Thermal Resistance	≤ 0.34 W/(m.K)
Direct airborne sound insulation NPd Dry Surface Hardness	≥ 40 SHORE D
Fire Class	A1
Temperature Resistance	(-30 °C) to (+60°C)
Note: The application properties are provided as a result of experiments carried out in a laboratory environment (23 ± 2 °C and 50% ± 5% humidity and no air flow) and may vary according to different ambient conditions. Performance information has been tested in the environments specified in accordance with the relevant standard of the product, and results may differ in different environments.	
Reference standards	
TS EN 13279-1/B4/20/2	
CE	

General Information	
Physical form	White, powder
Shelf life	See storage conditions
Packaging	25-30-35 kg polypropylen laminated bag
Application features	
Application temperature Between	+5 °C and +35 °C
Mixture ratio	5-5.5 L water/10 kg powder
Time to readjust Max.	60 minutes
Time to use devil float	90 - 120 minutes
Time to use steel trowel	120 - 150 minutes
Application thickness For ceilings min.	8 mm, max. 10mm for other surfaces 10-20mm(for a single coat)
Setting Time min.	50 minutes
Consumption	8,5 - 9 kg/m² (for 10 mm thickness)
Performance details	
Bending Strength	≥ 1 N/mm²
Compressive Strength	≥ 2 N/mm²
Adhesion Endurance	≥ 0,1 N/mm²
Calcium Sulphate percentage	≥ %50
Setting time start	≥ 50 minutes
Heat Resistance	≤ 0,34 W/(m.K)
Insulating the sound spreading through the air	N PD Dry
Surface Stiffness	≥ 40 SHORE D
Reaction to Fire	A1
Temperature resistance Between	-30°C and +60°C
Note: The application features have been determined in consequence of the tests conducted in laboratory environment (23 ± 2 °C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients.	
Reference standards	
TS EN 13279-1 B4/50/2	
CE	



## Aralçı ARMORE CONCENTRATED MACHINE PLASTER 9222

**Description**

It is a ready-to-use plaster that can be applied by spraying with machine, with extended freezing and processing periods, increased heat and sound insulation properties and most suitable square meter cost and highest application performance.

**Application Field**

- Easily applied on brick, briquette, gas concrete, concrete and exposed concrete surfaces.

**Application Features**

- Leveling time: max. 60 minutes  
- Feather time: 90 - 120 minutes  
- Use of steel trowel: 120 - 150 minutes - Application thickness: on ceilings min. 8 mm, max. 10 mm, on other facades 10-20 mm (for single layer)  
- Freezing time: min. 50 minutes - It is a non-flammable construction material. - Does not produce bacteria and fungi.

**Surface Preparation**

-The application surfaces must be free from

residues that will prevent adhesion such as dust, dirt, oil, etc.

- If there are defects on the application surface, they are corrected with ARKİM ARREPAIR THIN or ARKİM ARREPAIR THICK.  
- It is necessary to make sure that the surface has been cured and robust.  
- Metal surfaces must be protected against rusting before application.  
- Aluminum anodes must be placed perpendicular to the wall before application.  
- ARKİM ARKONTAK primer must be used to increase the adherence of exposed concrete, ceilings and walls.

**Application Conditions**

- Ambient temperature must be between +5°C and +35°C.  
- Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours.  
- Do not apply on surfaces under direct sun or strong wind, or on hot surfaces.  
- The surfaces that have been applied must never contact with water.

Warnings and Recommendations - Attention must be paid to the water/plaster ratio of the mixture. Otherwise, deterioration of this ratio may cause spills, cracks and low strength.  
- Do not apply in very hot, dry and windy environments. Chips, cracks and strength losses may occur as a result of applications in extremely hot environments.  
- Pay attention to the product storing conditions. Do not store the products in humid and very hot environments.  
- Never use in case of petrification in the bag.  
- Do not breathe its powder since it contains various chemical additives and gypsum. Avoid contact with skin and eyes. In case of contact, wash with plenty of water. Wear work clothes such as masks and gloves during the work.

**Application Tools**

Hand mixer, plaster trowel, gauge, steel trowel, aluminum anodes

**Application**

- Pay attention to cleanliness of the water and tools used.  
- The water used in the mixture must not be salty,

acidic or oily. The water temperature must be between 17 and 23°C.  
- The mortar must be prepared at the rate of 10 kg ARGİPS ARMORE CONCENTRATED MACHINERY PLASTER to 5-5.5 liters of water.  
- In order to determine the thickness of the plaster before application, aluminum anodes are placed on the surface.  
- The application surface must definitely be wetted immediately before application.  
- ARGİPS MACHINERY PLASTER must be sprayed on the application surface in horizontal strips with the same density so that there is no gap on the application surface.  
- The application thickness must be minimum 8 mm and maximum 10 mm on the ceiling and 10-20 mm on other facades for single coat. If a second coat is required, the application must be made without taking the set of the first coat. No more than one coat must be applied on ceiling surfaces and two coats on other surfaces.  
- Perform surface finish after 5-10 minutes.  
- When the plaster does not move when touched with a finger, leveling is performed with a trowel.  
- The sponge clover is performed by wetting the surface slightly after about 30 minutes from the leveling process.  
- The surface of the plaster is leveled with a steel trowel when it reaches sufficient hardness.  
- After approximately 120 minutes, it is polished with steel trowel.  
- Appropriate plaster mesh must be used in different material joints areas.  
- To dry the new plaster surface, do not heat it by lighting stove in front of it etc. The best method for this drying is to ventilate the environment. Thus, each side of the plaster is dried evenly.  
- Gypsum plaster surface must be protected from wind against rapid drying.

**Storage conditions**

-Bags must be stored in a dry place and to a height that does not exceed 18 bags. Bags must be stored so as not to contact with the ground in order them to be protected against humid. ARGİPS ARMORE CONCENTRATED MACHINERY PLASTER stored as described above must be used within 12 months as of the production date. Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

## Aralçı SATIN FINISHING COAT 9311

**Definition**

It is an under-paint top coat finishing plaster applied over plaster boards or gypsum-plastered walls (finish plaster).

**Area of application**

-It is applied on brown coat, gypsum plaster, gypsum block wall, plaster board, exposed concrete, and dirty or painted surfaces.

**Application features**

-Using period: 90 minutes  
-Application thickness: Min. 1 mm, max. 2 mm  
-Setting Time: Min. 60-90 minutes  
-An inflammable construction material.  
-Never allows bacterial or fungi growth.  
-It fills in spaces and roughnesses on the surface.  
-It provides a surface on which any paint or decorative coating can be applied, by making it a satin-like smooth surface.  
-It provides a smooth and hard surface thanks to its special granulation.

**Surface preparation**

-The application surfaces must be cleared of dust,

dirt, oil, etc. that prevent adherence.

Application conditions  
- Ambient temperature should be between +5 °C and +30°C -Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours.  
- Do not apply on surfaces under direct sun or strong wind, or hot surfaces.  
- The surface must be finished applying the Satin Finish Plaster immediately after the under-surface operations have been completed.  
- The newly applied surfaces must be protected against water contact definitely.

**Warnings and advices**

- Pay attention to the water/plaster ratio of the mix. Otherwise, it may cause spalling, cracks or strength reduction.  
- Do not apply in very hot, dry or windy environments. If applied in very hot environments, it may cause spalling, cracks and strength reduction consequently.  
- Pay attention to the product storing conditions. Do not keep the product in humid or very hot places.  
- In case any petrification is found out in the bag,

do not use the product.

- Do not breathe its powder since it consists of various chemical additives and plaster. Avoid contact with skin and eyes. In case of contact, wash your skin/eyes with plenty of water. Use protective equipment such as mask, gloves etc. during the works.

**Application tools**

Hand mixer, steel trowel

**Application**

- The container in which the mortar will be prepared must be clean and cleared of the remnants of the previous mixture.  
- It is necessary to pay attention to cleanliness of the water and materials used.  
- The water used in the mixture should not be salty, acidic or oily. The water temperature must be between 17 and 23 °C.  
- The mortar must be prepared by using 6.75-7.25 liters of water and 10 kg of ARKİM ARGİPS SATIN.  
- Water is poured into the container, and then ARKİM ARGİPS SATIN is added. The plaster is given

2-3 minutes to absorb the water.

- The plaster is mixed until a homogeneous consistency is achieved by mixing with a trowel or hand mixer.  
- If you are using a mechanical mixer, it must be used at a low speed.  
- No water or plaster should be added into the mortar during or after mixing to prevent lump formation.  
- Pay attention to cleanliness of materials to be used in application.  
- Do not mix any other product or materials into ARKİM ARGİPS SATIN FINISHING COAT.  
- The mortar ready for the application is applied by pressing on the surface by a clean trowel.  
- The marks are removed by the edge of the steel trowel after the plaster begins to set.  
- After the plaster has dried, it is sandpapered.  
- The application thickness must remain between 1 mm and 2 mm.

**Storage conditions**

- Bags must be stored in a dry place and to a height that does not exceed 18 bags. Bags must be stored so as not to contact with the ground in order them to be protected against humid. ARKİM ARGİPS SATIN FINISHING COAT stored as described above must be used within 12 months as of the production date. Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

General Information	
Physical form	White, powder
Shelf life	See storage conditions
Packaging	25 kg polypropylen laminated bag
Application features	
Application temperature Between	+5°C and +35°C
Mixture ratio	5 – 5,5 L water/10 kg powder
Workable period: Max.	60 minutes
Time to use devil float: after	90 – 120 minutes
Using steel trowel: after	120-150 minutes
Application thickness: Ceilings min	8mm max. 10 mm other surfaces 8-20 mm (for single coat)
Consumption:	8,5 - 9 kg/m² (for 10 mm thickness)
Performance details	
Bending Strength	≥ 1 N/mm²
Compressive Strength	≥ 2 N/mm²
Adhesion Endurance	≥ 0,1 N/mm²
Calcium Sulphate percentage	≥ %50
Setting time start	≥ 50 minutes
Heat Resistance	≤ 0,34 W(m/K)
Insulating the sound spreading through the air NPD Dry Surface Stiffness ≥ 40 SHORED	
Reaction to Fire	A1
Temperature resistance Between	-30°C and +60°C

Note: The application features have been determined in consequence of the tests conducted in laboratory environment

(23± 2°C ve %60 ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients.

**Reference standards**

TS EN 13279-1//B4/50/2

CE

General Information	
Physical form	White, powder
Shelf life	See storage conditions
Packaging	25-30 kg polypropylen laminated bag
Application features	
Application temperature Between	+5° C and +35° C
Mixture ratio	6,75 - 7,25 L water/10 kg powder
Using period	90 minutes
Setting Time Min.	20 minutes
Application thickness Min.	1 mm, max. 2 mm
Consumption	1 kg/m² (for 1 mm thickness)
Performance Details	
Bending Strength	≥ 1 N/mm²
Compressive Strength	≥ 2 N/mm²
Calcium Sulphate percentage	≥ %50
Setting time start	≥ 20 minutes
Determination of fineness(1500µ)	≤ %0
Heat Resistance	≤ 0,3 W(m/K)
Insulating the sound spreading through the air NPD Dry Surface Stiffness ≥ 40 SHORE D	
Reaction to Fire	A1
Temperature resistance Between	-30°C and +60°C

Note: The application features have been determined in consequence of the tests conducted in laboratory environment

(23 ± 20 C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients

**Reference standards**

TS EN 13279-1//C6/20/2

CE



## Aralçı MOULDING PLASTER 9411

**Definition**

It is a building plaster used for interior decoration.

**Area of application**

-Used in the applications with the purpose of enrichment and decoration of indoors such as crown molding, curtain board, ceiling spotlights, column and ceiling floor etc

**Application Features**

-Freezing time: min. 8 minutes (with cutting method)  
-ARALÇI CARTONPIER PLASTER is a high-strength, white, smooth, building plaster that can be easily applied to paint and gives an aesthetic appearance to the surfaces on which it is applied. It is also very suitable for mold manufacturing in the ceramic industry.  
-The usage time allows for comfortable and waste-free application.  
-It provides suitable working opportunity thanks to its thinness, whiteness and freezing time. -It can also be applied in construction plaster usage areas.

**Surface preparation**

-The application surfaces must be cleared of dust,

dirt, oil, etc. that prevent adherence.

-It is necessary to make sure that the surface has been cured and robust.

**Application conditions**

-Ambient temperature should be between +5 °C and +30 °C -Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours.  
-The newly applied surfaces must be protected against water contact definitely.  
-Do not apply on surfaces under direct sun or strong wind, or hot surfaces.

**Warnings and advices**

-Pay attention to the water/plaster ratio of the mix. Otherwise, it may cause spalling, cracks or strength reduction.  
-Do not apply in very hot, dry or windy environments. If applied in very hot environments, it may cause spalling, cracks and strength reduction consequently.  
-Pay attention to the product storing conditions. Do not keep the product in humid or very hot places.  
-In case any petrification is found out in the bag, do not use the product.

-Do not breath its powder since it consists of various chemical additives and plaster. Avoid contact with skin and eyes. In case of contact, wash your skin/eyes with plenty of water. Use protective equipment such as mask, gloves etc. during the works.

**Application tools**

Hand mixer

**Application**

-The container in which the mortar will be prepared must be clean and cleared of the remnants of the previous mixture.  
-The water used in the mixture should not be salty, acidic or oily. The water temperature must be between 17 and 23 °C.  
-The mortar must be prepared by using 7 kg of water and 10 kg of ARKİM MOULDING PLASTER.  
-Water is poured into the container, and then ARKİM MOULDING PLASTER is added. The plaster is given 2-3 minutes to absorb the water.  
-The plaster is mixed until a homogeneous consistency is achieved by mixing with a trowel or hand mixer.

-If a hand mixer is used, operate the hand mixer in low speed since the operating speed can affect the setting time.

-In the mixing container, the mortar is mixed until a homogeneous flowing consistency is achieved.

-No water or plaster should be added into the mortar during or after mixing to prevent lump formation.

-Do not mix any other product or materials into ARKİM MOULDING PLASTER.

-The mold of the mortar must be cleaned and placed on a surface enabling to vibrate the mold easily.

-The mold surface is lubricated with an appropriate lubricant to ensure smooth removal of the plaster from the mold.

-The mortar is poured into the mold and ensured to cover the inside of the mold completely.  
-Hemp is added if necessary to increase the strength.

-The surroundings of the mold is cleaned when the plaster begins to set.

-The plaster in the mold will begin to warm. After the warming period, the plaster is unmolded.

-The unmolded plaster is kept in the ambient temperature until it dries out. This will prevent breakage and cracks during installation.

-The mortar to be used in order to bond the mould can be prepared by using ARKİM ARGIPS MOULDING PLASTER in the same way.

**Storage conditions**

-Bags must be stored in a dry place and to a height that does not exceed 18 bags. Bags must be stored so as not to contact with the ground in order them to be protected against humid. ARKİM ARGIPS PARIS stored as described above must be used within 12 months as of the production date. Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

## Aralçı PLASTERBOARD ADHESIVE GYPSUM 9611

**Definition**

It is a highly flexible bonding plaster with high bonding strength that binds plasterboards on the surfaces like concrete, gas concrete, and brick, and thus provides flexible and decorative visually.

**Area of application**

-Used for covering the existing wall surfaces with plaster boards, bonding polystyrene materials, rock wools and insulation boards onto walls and other construction components, and filling the spaces where the wall and the ceiling joint.

**Application features**

-Using period: Min. 60 minutes Setting Time: 80-90 minutes  
-Bonds strongly. -Its strength increases quickly after setting.  
-Easily applied.  
-Never allows bacterial, mold, fungi growth.  
-Provides a healthy environment by stabilizing humidity

**Surface preparation**

-The application surfaces must be cleared of dust, dirt, oil, etc. that prevent adherence.  
-The surface must be wet in dry and hot weather conditions.  
-The smooth surfaces must be roughened before the application by using ARKİM ARKONTAK.

**Application conditions**

-Ambient temperature should be between +5 °C and +30 °C  
-Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours.  
-The newly applied surfaces must be protected against water contact definitely.  
-Do not apply on surfaces under direct sun or strong wind, or hot surfaces.

**Warnings and advices**

-Pay attention to the water/plaster ratio of the mix. Otherwise, it may cause spalling, cracks or strength reduction. -Do not apply in very hot, dry or windy environments. If applied in very hot environments,

it may cause spalling, cracks and strength reduction consequently.  
-Pay attention to the product storing conditions. Do not keep the product in humid or very hot places. -In case any petrification is found out in the bag, do not use the product.

-Do not breath its powder since it consists of various chemical additives and plaster. Avoid contact with skin and eyes. In case of contact, wash your skin/eyes with plenty of water. Use protective equipment such as mask, gloves etc. during the works.

**Application tools**

Hand mixer, trowel, steel trowe

**Application**

-The container in which the mortar will be prepared must be clean and cleared of the remnants of the previous mixture.  
-It is necessary to pay attention to cleanliness of the water and materials used. The water temperature must be between 17 and 23 °C. -The mortar must be prepared by using 5,75-6,25 liters

of water and 10 kg of ARKİM ARGIPS FIX.  
-Water is poured into the container, and then ARKİM ARGIPS FIX is added.

-The plaster is given 2-3 minutes to absorb the water. -The plaster is mixed until a homogeneous consistency is achieved by mixing with a trowel or hand mixer.

-If you are using a mechanical mixer, it must be used at a low speed.

-No water or plaster should be added into the mortar during or after mixing to prevent lump formation.

-Pay attention to cleanliness of materials to be used in application.

-Do not mix any other product or materials into ARKİM ARGIPS FIX.

-It must be ensured that the the application surface is moistened prior to application.

-Application on smooth surfaces like concrete, gas concrete, etc. can be made by applying the bonding plaster by comb trowel.

-It is used in the form of groups on non-smooth surfaces like brick, stone, briquette, etc.

-After the bonding plaster has been applied, the plasterboard is pressed unto and affixed to the application surface. The boards are pressed unto the wall using floating rule.

-The similar process is applied to the other materials to be stuck to the wall.

**Storage conditions**

-Bags must be stored in a dry place and to a height that does not exceed 18 bags. Bags must be stored so as not to contact with the ground in order them to be protected against humid. ARKİM ARGIPS FIX stored as described above must be used within 12 months as of the production date. Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

General Information	
Physical form	White, powder
Shelf life	See storage conditions
Packaging	30 kg polypropylen laminated
Application Features	
Application temperature Between	+5° C and +35°C
Mixture ratio	7 L water/10 kg powder
Setting Time Min.	8 minutes (by cutting method)
Consumption	1 kg/m² (for 1 mm thickness)
Performance Details	
Bending strength after two hours	≥ 1,5 N/mm²
Bending strength after seven days	≥ 2 N/mm²
Surface Stiffness after two hours	≥ 4 N/mm²
Surface stiffness after seven days	≥ 10 N/mm²
Setting time start	≥ 8 minutes
Calcium Sulphate percentage	≥ %50
Insulating the sound spreading through the air	NPD
Heat Resistance	≤ 0,28 W(m/K) Dry
Surface Stiffness	≥ 55 SHORE D
Reaction to Fire	A1
Temperature resistance Between	-30°C and +60° C
Note: The application features have been determined in consequence of the tests conducted in laboratory environment (23 ± 2°C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients.	
Reference standards	
TS EN 13279-1/C1/8	
CE	

General Information:	
Physical form	White, powder
Shelf life	See storage conditions
Packaging	30 kg polypropylen laminated bag
Application Features	
Application temperature Between	+5° C and +35°C
Mixture ratio	5,75 - 6,25 L water/10 kg powder
Using period Max.	60 minutes
Setting Time	15 - 60 minutes
Consumption	1 - 1,5 kg/m²
Perfomance Details	
Compressive Strength	≥ 2 N/mm²
Calcium Sulphate percentage	≥ %30
End of the using period	≥ 60 minutes
Adhesive Strength	≥ 0,06 MPa
Heat Resistance	≤ 0,3 W(m/K)
Insulating the sound spreading through the air	NPD
Dry Surface Stiffness	≥ 50 SHORE D
Reaction to Fire	A1
Temperature resistance Between	-30°C and +° C
Note: The application features have been determined in consequence of the tests conducted in laboratory environment (23 ± 2°C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients.	
Reference Standarts	
TS EN 14496	
CE	

## Aralçı PLASTERBOARD JOINT FILLER PLASTER 9511



### Definition

It is the grouting plaster used in plasterboard joints with joint tape.

### Area of application

-It is ideal to make coating on the application surfaces of plasterboards, and used in board joints with the joint tape.

### Application features

-Using period: Min. 50 minutes Setting Time: 90-120 minutes  
-Waiting time for the second layer: 120 minutes -Its fineness, whiteness and appropriate setting time offer an impeccable working condition.  
-Creates a smooth surface thanks to its special granulation.  
-It is pasty and can be applied easily. -There will be no cracks in joints since it has flexibility. -Never allows bacterial, mold, fungi growth. -Provides a healthy environment by stabilizing humidity  
Surface preparation  
-The application surfaces must be cleared of dust, dirt, oil, etc. that prevent adherence.

### Application conditions

-Ambient temperature should be between +5 °C and +30 °C -Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours. -Do not apply on surfaces under direct sun or strong wind, or hot surfaces.

### Warnings and advices

-Pay attention to the water/plaster ratio of the mix. Otherwise, it may cause spalling, cracks or strength reduction.  
-Do not apply in very hot, dry or windy environments. If applied in very hot environments, it may cause spalling, cracks and strength reduction consequently.  
-Pay attention to the product storing conditions. Do not keep the product in humid or very hot places. -In case any petrification is found out in the bag, do not use the product.  
-The newly applied surfaces must be protected against water contact definitely. -Do not breath its powder since it consists of various chemical additives and plaster. Avoid contact with skin and eyes. In case of contact, wash your skin/eyes with plenty of water. Use protective equipment such as mask, gloves etc. during the works.

### Warnings and Suggestions

- Pay attention to the water / plaster ratio of the mixture. Otherwise, deterioration of this ratio may cause spills, cracks and low strength.  
-Do not apply in very hot, dry and windy environments. As a result of applications to be made in extremely hot environments, spills, cracks and loss of strength may occur.  
-Pay attention to product storage conditions. Products should not be stored in humid and very hot environments.  
-It should never be used when there are situations such as petrification in the bag. -Applied surfaces should never come into contact with water.  
-Dust should not be inhaled as it contains various chemical additives and gypsum. It should not come into contact with skin and eyes. In case of contact, wash with plenty of water. Work clothes such as masks and gloves should be used during work.

### Application tools

Hand mixer, spatula, steel trowel

### Application

-The container in which the mortar will be

prepared must be clean and cleared of the remnants of the previous mixture.  
-It is necessary to pay attention to cleanliness of the water and materials used. The water temperature must be between 17 and 23 °C  
-The mortar must be prepared by using 6.25- 6.75 liters of water and 10 kg of ARKİM ARGIPS BACKFILL.  
-Water is poured into the container, and then ARKİM ARGIPS BACKFILL is added. The plaster is given 2-3 minutes to absorb the water. -The plaster is mixed until a homogeneous consistency is achieved by mixing with a trowel or hand mixer.  
-If a hand mixer is used, operate the hand mixer in low speed since the operating speed can affect the setting time.  
-In the mixing container, the mortar is mixed until a homogeneous pasty consistency is achieved.  
-Do not mix any other product or materials into ARKİM ARGIPS BACKFILL.  
-No water or plaster should be added into the mortar during or after mixing.  
-The mortar ready for the application is applied using a clean trowel. The spaces between the wall joints and plasterboards are filled through a pre-filling process. The joint tapes are placed as aligned to the centerline of the boards before the application.  
-The first coat of the homogeneous mixture is applied on the joint tape, and this coat is smoothed after drying out. The second coat is applied on the plasterboard. After the surface has dried, it is sandpapered.  
-The surface is finished with ARKİM ARGIPS SATIN.  
-After the application, the surface becomes smooth, bright and ready for painting.

### Storage conditions

-Bags must be stacked in a dry place and to a height that does not exceed 18 bags. Bags must be stored so as not to contact with the ground in order them to be protected against humid. ARKİM ARGIPS BACKFILL stored as described above must be used within 12 months as of the production date. Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

## Aralçı REPAIR CONSTRUCTION GYPSUM 9711



### Definition

It is a repair plaster used for repairs on plaster surfaces and for similar works such as burying and filling all kinds of equipment in constructions.

### Area of application

It is used for any concealing and filling processes, cast, suspended ceiling construction, marble bonding, etc. in constructions

### Application features

-Using period: 5-6 minutes  
-Setting Time: 15-16 minutes  
-It ensures that the basic filling and repair works are done quickly.  
-Its setting time is very short.

### Surface preparation

-The application surfaces must be cleared of dust, dirt, oil, etc. that prevent adherence.  
-The surface must be wet in dry and hot weather conditions

### Application conditions

-Ambient temperature should be between +5 °C and +35 °C

-Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours.  
-Do not apply on surfaces under direct sun or strong wind, or hot surfaces.  
-The newly applied surfaces must be protected against water contact definitely.

### Warnings and advices

-Pay attention to the water/plaster ratio of the mix. Otherwise, it may cause spalling, cracks or strength reduction.  
-Do not apply in very hot, dry or windy environments. If applied in very hot environments, it may cause spalling, cracks and strength reduction consequently.  
-Pay attention to the product storing conditions. Do not keep the product in humid or very hot places.  
-In case any petrification is found out in the bag, do not use the product.  
-Do not breath its powder since it consists of various chemical additives and plaster. Avoid contact with skin and eyes. In case of contact, wash your skin/eyes with plenty of water. Use protective equipment such as mask, gloves etc. during the works.

### Application tools

Hand mixer, trowel, spatula

### Application

-The container in which the mortar will be prepared must be clean and cleared of the remnants of the previous mixture.  
-The water used in the mixture should not be salty, acidic or oily. The water temperature must be between 17 and 23° C.  
-The mortar must be prepared by using 7 kg of water and 10 kg of ARKİM ARGIPS REPAIR.  
-Water is poured into the container, and then ARKİM ARGIPS REPAIR is added. The plaster is given 2-3 minutes to absorb the water.  
-The plaster is mixed until a homogeneous consistency is achieved by mixing with a trowel or hand mixer. No other product or materials must be added to ARKİM ARGIPS REPAIR mixture.  
-No water or plaster should be added into the mortar during or after mixing. -It must be ensured that the the application surface is moistened prior to application.  
-The mortar ready for the application is applied on the surface to be repaired or filled using a spatula. When the plaster begins to set, the surface is smoothened using a spatula.

### Storage conditions

-Bags must be stored in a dry place and to a height that does not exceed 18 bags. Bags must be stored so as not to contact with the ground in order them to be protected against humid. ARKİM ARGIPS REPAIR stored as described above must be used within 12 months as of the production date. Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

General Information	
Physical form	White, powder
Shelf life	See storage conditions
Packaging	25 - 30 - 35 kg polypropylen laminated bag
Application Features	
Application Temperature	+5 °C to +35 °C
Mixing Ratio	5.5 - 6 L water/10 kg powder
Usage Time	100 - 120 minutes
Freezing Time minimum	20 minutes
Second gauge usage time	60 - 80 minutes
Application Thickness minimum	10 mm - maximum 20 mm
Consumption	7.5 - 8kg/m² (for 10 mm thickness)
Performance Details	
Compressive Strength	≥ 2 N/mm²
Calcium Sulphate percentage	≥ %30
Setting time start Normal Adhesion Endurance	≥ 0,1 N/mm²
Heat Resistance	≤ 0.3 W/(m.K)
Insulating the sound spreading through the air	NPD
Dry Surface Stiffness	≥ 55 SHORE D
Reaction to Fire	A1
Temperature resistance Between	-30 °C and +60° C
Note: The application features have been determined in consequence of the tests conducted in laboratory environment (23 ± 2°C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients.	
Reference Standards	
TS EN 13963 3B	
CE	

General Information	
Appearance	White, powder
Shelf Life See.	Storage Conditions
Packaging	30 kg Polypropylene laminated bag
Application Features	
Application Temperature	(+5 °C) to (+35 °C)
Mixing Ratio	5.75 - 6.25 L water/10 kg powder
Usable Time minimum	60 minutes
Freezing Time 1	5 - 60 minutes
Performance Information	
Compressive Strength	≥ 2 N/mm2
Percentage of Calcium Sulphate	≥ 30%
End of Use	≥ 60 minutes
Adhesion Strength	≥ 0.06 MPa
Thermal Resistance	≤ 0.3 W/(m.K)
Direct airborne sound insulation	NPD
Dry Surface Hardness	≥ 50 SHORE D
Fire Class	A1
Temperature Resistance (-30 °C) to (+60°C)	
Note: The application properties are provided as a result of experiments carried out in a laboratory environment (23 ± 2 °C and 50% ± 5% humidity and no air flow) and may vary according to different ambient conditions. Performance information has been tested in the environments specified in accordance with the relevant standard of the product, and results may differ in different environments.	
Reference Standards	
TS EN 13279-1 A2	
CE	





Aralçı Plaster Profiles

#### Definition:

–Aralçı Gypsum Plaster Corner Profile is the galvanized, thin steel sheet profiles used for the corners in gypsum plaster applications.

#### Fields of Application:

- Aralçı Gypsum Plaster Corner Profiles are used for any wall corners where Argips Machine Plaster and /or Argips Perlite Plaster is applied.

#### Its features:

- Aralçı Gypsum Plaster Corner Profiles ensure steepness of the wall corners and increase their resistance against impacts in gypsum plaster applications. -In order to provide protection against rust, it is zinc coated through electrolytic or hot-dipping method. -When it is folded, the zinc coating does not peel off. -It is manufactured of thin steel sheet through cold-forming method. -It is resistant against external factors. It is long-lasting. -It is easy to solder and paint. -It has a homogeneous surface appearance.

#### Packaging:

- 100 pieces/box.

#### Technical specifications

Length	2,7 m
Edge Lengths	30 mm / 30 mm
Thickness	0,35 mm - 0,40 mm Unit
Weight	(±5%) 0,09 kg/m - 0,100 kg/m
Packaging	100 pieces/box.



Aralçı CORNER PROFILES

#### Definition:

Aralçı Corner Profiles are the galvanized steel sheet profiles used at the corners in the construction of plasterboard partition walls, curtain walls and suspended ceiling systems

#### Fields of application:

- Aralçı Corner Profiles are used at the corners of plasterboard partition walls, curtain walls and suspended ceiling systems, for any wall corners wher Argips Perlite Plaster and/or Argips Satin Finish Plaster is applied.

#### Its features:

- Aralçı Corner Profiles ensure steepness of the wall corners and increase their resistance against impacts in gypsum plaster applications. - In order to provide protection against rust, it is hot-dip zinc coated. - When it is folded, the zinc coating does not peel off. - It is manufactured of thin steel sheet through cold-forming method. - It is resistant against external factors. It is long-lasting. - It is easy to solder and paint. - It has a homogeneous surface appearance

#### Packaging:

- 50 pieces/bundle

#### Technical Specifications

Edge Lengths	2,7 m	3 m
Side Lengths	21/21 mm - 23/23 mm	21/21 mm - 23/23 mm
Thickness	0,30 mm -0,35 mm- 0,40 mm	0,30 mm -0,35 mm - 0,40 mm
Unit weight	0,100 kg/m – 0,116 kg/m - 0,133 kg/m	
Response to Fire(TS EN 14195'e göre)	A1	
Packagin	50 pieces/bundle	



Aralçı Ano Lath

#### Definition:-

Argips Ano Lath is the aluminum profile used to obtain a smooth surface in gypsum plaster applications.

#### Fields of Application:-

Argips Ano Lath is used for any walls where Argips Machine Plaster and /or Argips Perlite Plaster is applied.

#### Its features:

- Argips Ano Lath ensures a smooth wall surface in gypsum plaster applications. - When it is used on smooth surfaces, it allows applying gypsum plaster with a constant thickness everywhere. - It is rust-proof. - It is resistant against external factors. It is long-lasting. - It has a homogeneous surface appearance.

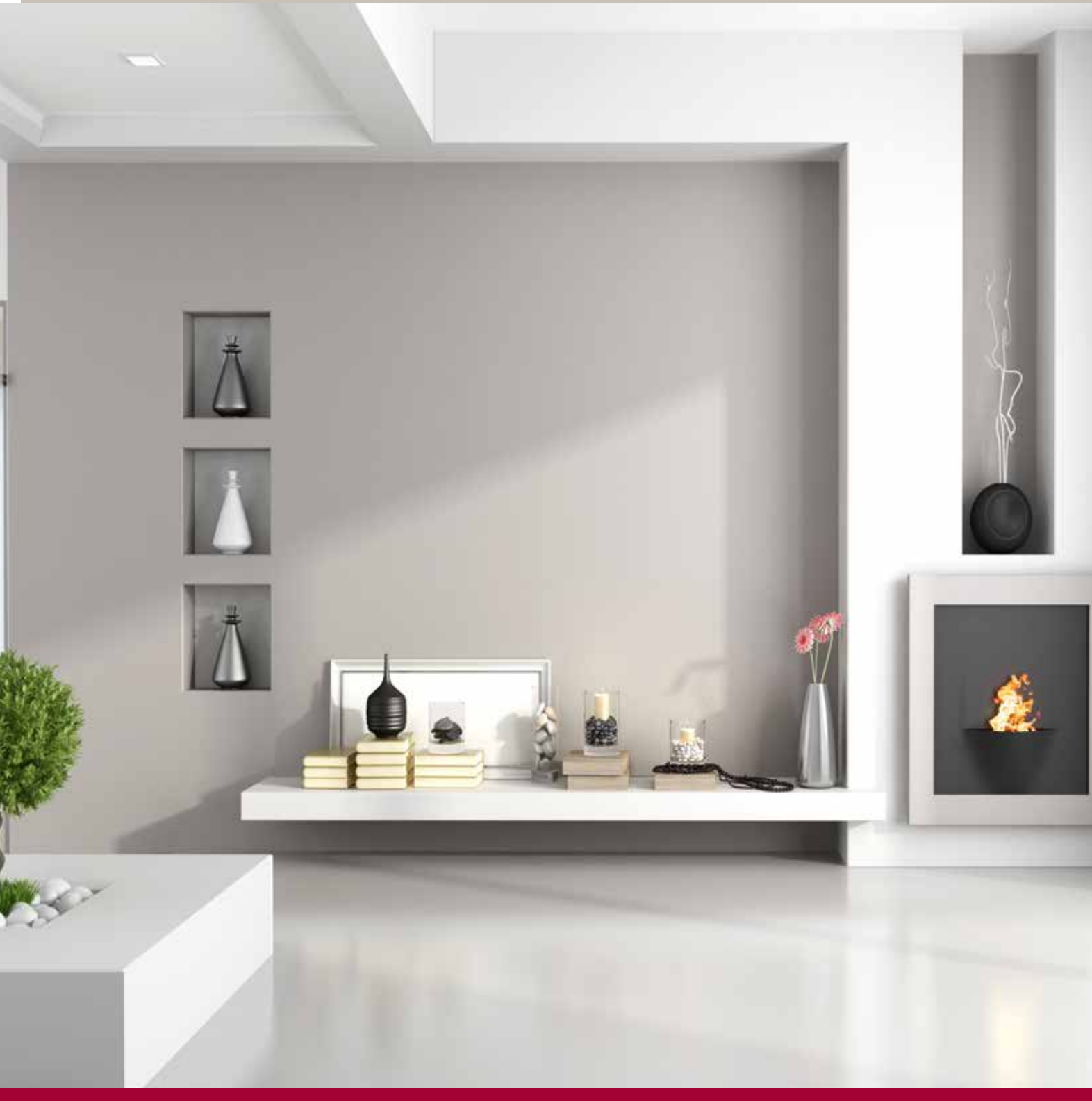
#### Surface preparation:

30 pieces

#### Technical specifications

Length	3 m
Thickness	7 mm
Width Between	3 – 3,6 cm aralığında
Packaging	100 pieces/box





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10 | **ARGIPS** | GYPSUM RANGE

Argips **PLASTER**

Argips **MACHINE**

Argips **SATIN**

Argips **PARIS**

Argips **BACKFILL**

Argips **FIX**





Argips PERLITE PLASTER 9122



Description

- Manual freezing and processing times elongated, with increased heat and sound insulation plaster .

Area of Application

-Easily applied to brick, briquette, gas concrete, concrete and exposed concrete type surfaces.

Application Features Using period:

100-120 minutes Application thickness: min. 10mmmax. 20mm Setting time: after 60-80 minutes It is a non-combustible building material. Does not produce bacteria and fungi.

Surface Preparation

-The surfaces to be applied should be free of dust, dirt, oil, etc. It should be cleared of residues that will prevent sticking. If there are defects on the application surface, they are corrected with ARKIM ARREPAIR THIN or ARKIM ARREPAIR THICK. - Care should be taken to ensure that the surface is cured and robust. -Metal surfaces should be protected against rust

before applying.

- ARKIM ARKONTAK primer should be used, which increases the adherence to make roughening on exposed concrete, ceilings and walls.

Application Conditions

-Ambient temperature between +5 °C and +30°C, -It should not be applied on surfaces that are frozen, melting or where there is a danger of frost within 24 hours. - It should not be applied under direct sun, strong wind or on hot surfaces. -Applied surfaces should never come into contact with water.

Warnings and Suggestions

- Pay attention to the water / plaster ratio of the mixture. Otherwise, deterioration of this ratio may cause spills, cracks and low strength. -Do not apply in very hot, dry and windy environments. As a result of applications to be made in extremely hot environments, spills, cracks and strength losses may occur. -Pay attention to product storage conditions. Products should not be stored in humid and very

hot environments.

- It should never be used when there are situations such as petrification in the bag. -Dust should not be inhaled as it contains various chemical additives and gypsum. It should not come into contact with skin and eyes. In case of contact, wash with plenty of water. Work clothes such as masks and gloves should be used during work.

Application Tools

Hand mixer, plaster trowel, gauge, steel trowel

Application

-The container in which the mortar will be prepared must be clean and free from the residues of the previous mixture. Attention should be paid to the cleanliness of the water and materials used. -The water used in the mixture should not be salty, acidic, or oily. The water temperature should be between 17 and 23°C. -The mortar should be prepared at the rate of 10 kg ARALÇI PERLITE in 5-5.5 liters of water.

-Water is first poured into the container and then ARALÇI PERLITE PLASTER is added. Wait about 2 minutes for the plaster to absorb the water. It is ensured that the mortar reaches a homogeneous consistency by mixing it thoroughly with a trowel or hand mixer. - If a mechanical mixer is used in mixing, it should be operated at low speed. Because high cycle increases plaster consumption and causes problems such as early freezing. -Water or gypsum should not be added to the mortar after mixing in order to prevent the plaster from clumping. -The surface to be applied must be wetted just before the application. -The surface is smoothed by using an aluminum gauge and excess mortar is removed. -After the plaster has hardened sufficiently, shaving is done using a steel trowel and the roughness of the surface is smoothed. -The application thickness should be at least 8 mm on the ceiling and at most 10 mm on the other facades, 10-20 mm. If the second coat is required, the application should be done without getting the first coat set. It should not be applied more than one coat on the ceiling surfaces and more than two coats on the other surfaces. -No other product or material should be mixed with ARALÇI PERLITE PLASTER. -The surface of ARALÇI PERLITE PLASTER should be protected from the wind against rapid drying.

Storage Conditions

-A maximum of 18 bags should be placed on top of each other in a dry environment. Bags should be stored in such a way that they do not touch the ground and be protected from moisture. Under these conditions, ARALÇI PERLITE PLASTER should be used within 12 months from the production date. Improper storage conditions or exceeding the period of use may deteriorate the qualities of the product.

Argips MACHINE PLASTER 9222



Definition

It is ready-to-use gypsum plaster whose setting and processing times have been lengthened and heat and sound insulation characteristics have been increased, and applied by spraying with a machine.

Area of Application

-Easily applied to brick, briquette, gas concrete, concrete and exposed concrete type surfaces.

Application features

-Time to readjust: Max. 60 minutes -Time to use devil float: 90 – 120 minutes -Time to use steel trowel: 120 – 150 minutes -Application thickness: for ceilings min. 8 mm, max. 10mm, for other surfaces 10-20mm (for a single coat) Setting Time: Min. 50 minutes -An inflammable construction material. -Never allows bacterial or fungi growth.

Surface preparation

The application surfaces must be cleared of dust, dirt, oil, etc. that prevent adherence. -Any irregularities on the application surfaces, if any, are repaired with ARKIM ARREPAIR THIN or ARKIM ARREPAIR THICK. -It is necessary to make sure that the surface has been cured and robust. -Metal surfaces must be protected against corrosion before application. -Aluminum screed rails should be placed on the wall vertically prior to the application. -Exposed concrete, ceiling and wall roughening process must be done using ARKIM ARKONTAK primer increasing the adherence.

Application conditions

-Ambient temperature should be between +5 °C and +30 °C -Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours. -Do not apply on surfaces under direct sun or strong wind, or hot surfaces. -The newly applied

surfaces must be protected against water contact definitely.

Warnings and advices

-Pay attention to the water/plaster ratio of the mix. Otherwise, it may cause spalling, cracks or strength reduction. -Do not apply in very hot, dry or windy environments. If applied in very hot environments, it may cause spalling, cracks and strength reduction consequently. -Pay attention to the product storing conditions. Do not keep the product in humid or very hot places. -In case any petrification is found out in the bag, do not use the product. -Do not breath its powder since it consists of various chemical additives and plaster. Avoid contact with skin and eyes. In case of contact, wash your skin/eyes with plenty of water. Use protective equipment such as mask, gloves etc. during the works.

Application tools

Hand mixer, plastering trowel, floating rule, steel trowel, aluminum screed rails

Application

-It is necessary to pay attention to cleanliness of the water and materials used. - The water used in the mixture should not be salty, acidic or oily. The water temperature must be between 17 and 23 °C. -The mortar must be prepared by using 5-5.5 liters of water and 10 kg of ARGIPS MACHINE PLASTER. -Aluminum screed rails are placed on the surface to determine the plaster thickness before application. -It must be ensured that the the application surface is moistened prior to application. -ARKIM ARGIPS MACHINE should be sprayed in horizontal stripes on the application surface with the same density without leaving any spaces. -The application thickness in one coat must be 8 to 10 mm on ceiling, and 10 to 20 mm on the other facades. If a second layer of plaster is required, application must be made before previous layer is fully cured. The application must not exceed one coat on ceilings and two coats on the other surfaces. Surface finishing job is made 5-10 minutes later. -When the coating is so hardened that it does not move as you touch with your finger, it can be readjusted by using a trowel. -Sponge clover is done briefly by wetting the surface approximately 30 minutes after correction operation. -After the plaster reaches a certain level of hardness, the surface is corrected with a steel trowel. -Polishing operation is done approximately 120 minutes later with a steel trowel. -Appropriate plaster mesh should be used on points where different materials join together. -Newly coated surface shouldn't be dried by using heaters. The best method for drying is to ventilate the environment. Every part of the coating shall be dried equally by this way. -Coating surface should be protected from the wind so as not to be dried quickly

Storage conditions

-Bags must be stored in a dry place and to a height that does not exceed 18 bags. Bags must be stored so as not to contact with the ground in order them to be protected against humid. ARGIPS MACHINE PLASTER stored as described above must be used within 12 months as of the production date. Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

General Information	
Appearance	White, powder
Shelf Life	See Fig. Storage Conditions
Packaging	30 - 35 kg Polypropylene laminated bag
Application Features	
Application Temperature	(+5 °C) to (+35 °C)
Mixing Ratio	5-5.5 L water/10 kg powder
Usage Time	100 - 120 minutes
Setting time 6	0 - 80 minutes
Application Thickness minimum	10 mm - maximum 20 mm
Consumption	7.5 - 8 kg/m2 (for 10 mm thickness)
Performance Information	
Bending Strength	≥ 1 N/mm²
Compressive Strength	≥ 2 N/mm²
Adhesion Strength	≥ 0.1 N/mm²
Percentage of Calcium Sulphate	≥ 50%
Setting start time:	≥ 20 minutes
Thermal Resistance	≤ 0.34 W(m/K)
Direct airborne sound insulation NPD Dry Surface Hardness	≥ 40 SHORE D
Fire Class	A1
Temperature Resistance	(-30 °C) to (+60°C)

Note:The application properties are provided as a result of experiments carried out in a laboratory environment (23 ± 2 °C and 50% ± 5% humidity and no air flow) and may vary according to different ambient conditions. Performance information has been tested in the environments specified in accordance with the relevant standard of the product, and results may differ in different environments.

Reference standards

TS EN 13279-1/B4/20/2

CE

General Information	
Physical form	White, powder
Shelf life	See storage conditions
Packaging	25-30-35 kg polypropylen laminated bag
Application features	
Application temperature Between	+5 °C and +35 °C
Mixture ratio	5-5,5 L water/10 kg powder
Time to readjust Max.	60 minutes
Time to use devil float	90 - 120 minutes
Time to use steel trowel	120 - 150 minutes
Application thickness For ceilings min.	8 mm, max. 10mm for other surfaces 10-20mm(for a single coat)
Setting Time min.	50 minutes
Consumption	8,5 - 9 kg/m² (for 10 mm thickness)
Performance details	
Bending Strength	≥ 1 N/mm²
Compressive Strength	≥ 2 N/mm²
Adhesion Endurance	≥ 0,1 N/mm²
Calcium Sulphate percentage	≥ %50
Setting time start	≥ 50 minutes
Heat Resistance	≤ 0,34 W(m/K)
Insulating the sound spreading through the air	N PD Dry
Surface Stiffness	≥ 40 SHORE D
Reaction to Fire	A1
Temperature resistance Between	-30°C and +60°C

Note: The application features have been determined in consequence of the tests conducted in laboratory environment (23 ± 2 °C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients.

Reference standards

TS EN 13279-1 B4/50/2

CE

Argips SATIN FINISH PLASTER 9322



Definition

It is an under-paint top coat finishing plaster applied over plaster boards or gypsum-plastered walls (finish plaster).

Area of application

-It is applied on brown coat, gypsum plaster, gypsum block wall, plaster board, exposed concrete, and dirty or painted surfaces.

Application features

-Using period: 90 minutes  
-Application thickness: Min. 1 mm, max. 2 mm  
-Setting Time: Min. 60-90 minutes  
-An inflammable construction material.  
-Never allows bacterial or fungi growth.  
-It fills in spaces and roughnesses on the surface.  
-It provides a surface on which any paint or decorative coating can be applied, by making it a satin-like smooth surface.  
-It provides a smooth and hard surface thanks to its special granulation.

Surface preparation

-The application surfaces must be cleared of dust,

dirt, oil, etc. that prevent adherence.

Application conditions

-Ambient temperature should be between +5 °C and +30°C  
-Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours.  
-Do not apply on surfaces under direct sun or strong wind, or hot surfaces.  
-The surface must be finished applying the Satin Finish Plaster immediately after the under-surface operations have been completed.  
-The newly applied surfaces must be protected against water contact definitely.

Warnings and advices

-Pay attention to the water/plaster ratio of the mix. Otherwise, it may cause spalling, cracks or strength reduction.  
-Do not apply in very hot, dry or windy environments. If applied in very hot environments, it may cause spalling, cracks and strength reduction consequently.  
-Pay attention to the product storing conditions.  
Do not keep the product in humid or very hot

places. -In case any petrification is found out in the bag, do not use the product.  
-Do not breath its powder since it consists of various chemical additives and plaster. Avoid contact with skin and eyes. In case of contact, wash your skin/eyes with plenty of water. Use protective equipment such as mask, gloves etc. during the works.

Application tools

Hand mixer, steel trowe

Application

-The container in which the mortar will be prepared must be clean and cleared of the remnants of the previous mixture.  
-It is necessary to pay attention to cleanliness of the water and materials used. -  
The water used in the mixture should not be salty, acidic or oily. The water temperature must be between 17 and 23 °C.  
-The mortar must be prepared by using 6.75-7.25 liters of water and 10 kg of ARKIM ARGIPS SATIN.  
-Water is poured into the container, and then

ARKIM ARGIPS SATIN is added. The plaster is given 2-3 minutes to absorb the water.  
-The plaster is mixed until a homogeneous consistency is achieved by mixing with a trowel or hand mixer.  
-If you are using a mechanical mixer, it must be used at a low speed.  
-No water or plaster should be added into the mortar during or after mixing to prevent lump formation.  
-Pay attention to cleanliness of materials to be used in application.  
-Do not mix any other product or materials into ARKIM ARGIPS SATIN FINISHING COAT.  
-The mortar ready for the application is applied by pressing on the surface by a clean trowel.  
-The marks are removed by the edge of the steel trowel after the plaster begins to set.  
-After the plaster has dried, it is sandpapered.  
-The application thickness must remain between 1 mm and 2 mm.

Storage conditions

-Bags must be stored in a dry place and to a height that does not exceed 18 bags. Bags must be stored so as not to contact with the ground in order them to be protected against humid. ARKIM ARGIPS SATIN FINISHING COAT stored as described above must be used within 12 months as of the production date. Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

Argips PLASTER OF PARIS 9422



Definition

It is a building plaster used for interior decoration.

Area of application

-Used in the applications with the purpose of enrichment and decoration of indoors such as crown molding, curtain board, ceiling spotlights, column and ceiling floor etc.

Application Features

-Freezing time: min. 8 minutes (with cutting method)  
-ARGIPS PLASTER is a high-strength, white, smooth, building plaster that can be easily applied to paint and gives an aesthetic appearance to the surfaces on which it is applied. It is also very suitable for mold manufacturing in the ceramic industry.  
-The usage time allows for comfortable and waste-free application.  
-It provides suitable working opportunity thanks to its thinness, whiteness and freezing time. -It can also be applied in construction plaster usage areas.

Surface preparation

-The application surfaces must be cleared of dust, dirt, oil, etc. that prevent adherence.  
-It is necessary to make sure that the surface has been cured and robust.

Application conditions

-Ambient temperature should be between +5 °C and +30 °C. -Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours.  
-The newly applied surfaces must be protected against water contact definitely.  
-Do not apply on surfaces under direct sun or strong wind, or hot surfaces.

Warnings and advices

-Pay attention to the water/plaster ratio of the mix. Otherwise, it may cause spalling, cracks or strength reduction.  
-Do not apply in very hot, dry or windy environments. If applied in very hot environments, it may cause spalling, cracks and strength reduction consequently.  
-Pay attention to the product storing conditions.  
Do not keep the product in humid or very hot

places.

-In case any petrification is found out in the bag, do not use the product.  
-Do not breath its powder since it consists of various chemical additives and plaster. Avoid contact with skin and eyes. In case of contact, wash your skin/eyes with plenty of water. Use protective equipment such as mask, gloves etc. during the works.

Application tools

Hand mixer

Application

-The container in which the mortar will be prepared must be clean and cleared of the remnants of the previous mixture.  
-The water used in the mixture should not be salty, acidic or oily. The water temperature must be between 17 and 23 °C.  
-The mortar must be prepared by using 7 kg of water and 10 kg of ARGIPS PLASTER. -Water is poured into the container, and then ARGIPS PLASTER is added. The plaster is given 2-3 minutes

to absorb the water.

-The plaster is mixed until a homogeneous consistency is achieved by mixing with a trowel or hand mixer.  
-If a hand mixer is used, operate the hand mixer in low speed since the operating speed can affect the setting time.  
-In the mixing container, the mortar is mixed until a homogeneous flowing consistency is achieved.  
-No water or plaster should be added into the mortar during or after mixing to prevent lump formation.  
-Do not mix any other product or materials into ARGIPS PLASTER.  
-The mold of the mortar must be cleaned and placed on a surface enabling to vibrate the mold easily.  
-The mold surface is lubricated with an appropriate lubricant to ensure smooth removal of the plaster from the mold.  
-The mortar is poured into the mold and ensured to cover the inside of the mold completely.  
-Hemp is added if necessary to increase the strength.  
-The surroundings of the mold is cleaned when the plaster begins to set.  
-The plaster in the mold will begin to warm. After the warming period, the plaster is unmolded.  
-The unmolded plaster is kept in the ambient temperature until it dries out. This will prevent breakage and cracks during installation.  
-The mortar to be used in order to bond the mould can be prepared by using ARGIPS PLASTER in the same way.

Storage conditions

-Bags must be stored in a dry place and to a height that does not exceed 18 bags. Bags must be stored so as not to contact with the ground in order them to be protected against humid. ARGIPS PLASTER stored as described above must be used within 12 months as of the production date. Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

General Information	
Physical form	White, powder
Shelf life	See storage conditions
Packaging	25-30 kg polypropylen laminated bag
Application features	
Application temperature Between	+5° C and +35°C
Mixture ratio	6,75 - 7,25 L water/10 kg powder
Using period	90 minutes
Setting Time Min.	20 minutes
Application thickness Min.	1 mm, max. 2 mm
Consumption	1 kg/m² (for 1 mm thickness)
Performance Details	
Bending Strength	≥ 1 N/mm²
Compressive Strength	≥ 2 N/mm²
Calcium Sulphate percentage	≥ %50
Setting time start	≥ 20 minutes
Determination of fineness(1500µ)	≤ %0
Heat Resistance	≤ 0,3 W/(m/K)
Insulating the sound spreading through the air NPD Dry Surface Stiffness ≥ 40 SHORE D	
Reaction to Fire	A1
Temperature resistance Between	-30°C and +60°C
Note: The application features have been determined in consequence of the tests conducted in laboratory environment (23 ± 20 C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients	
Reference standards	
TS EN 13279-1/C6/20/2	
CE	

General Information	
Physical form	White, powder
Shelf life	See storage conditions
Packaging	25-30 kg polypropylen laminated bag
Application features	
Application temperature Between	+5° C and +35°C
Mixture ratio	6,75 - 7,25 L water/10 kg powder
Using period	90 minutes
Setting Time Min.	20 minutes
Application thickness Min.	1 mm, max. 2 mm
Consumption	1 kg/m² (for 1 mm thickness)
Performance Details	
Bending Strength	≥ 1 N/mm²
Compressive Strength	≥ 2 N/mm²
Calcium Sulphate percentage	≥ %50
Setting time start	≥ 20 minutes
Determination of fineness(1500µ)	≤ %0
Heat Resistance	≤ 0,3 W/(m/K)
Insulating the sound spreading through the air NPD Dry Surface Stiffness ≥ 40 SHORE D	
Reaction to Fire	A1
Temperature resistance Between	-30°C and +60°C
Note: The application features have been determined in consequence of the tests conducted in laboratory environment (23 ± 20 C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients	
Reference standards	
TS EN 13279-1 C1/8	
CE	



## Argips PLASTERBOARD JOINT FILLER PLASTER 9522



### Definition

It is the grouting plaster used in plasterboard joints with joint tape.

### Area of application

-It is ideal to make coating on the application surfaces of plasterboards, and used in board joints with the joint tape.

### Application features

-Using period: Min. 50 minutes Setting Time: 90-120 minutes  
-Waiting time for the second layer: 120 minutes  
-Its fineness, whiteness and appropriate setting time offer an impeccable working condition.  
-Creates a smooth surface thanks to its special granulation.  
-It is pasty and can be applied easily.-There will be no cracks in joints since it has flexibility.-Never allows bacterial, mold, fungi growth.  
-Provides a healthy environment by stabilizing humidity  
Surface preparation  
-The application surfaces must be cleared of dust, dirt, oil, etc. that prevent adherence.

### Application conditions

-Ambient temperature should be between +5 °C and +30 °C -Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours.  
-Do not apply on surfaces under direct sun or strong wind, or hot surfaces.

### Warnings and advices

-Pay attention to the water/plaster ratio of the mix. Otherwise, it may cause spalling, cracks or strength reduction.  
-Do not apply in very hot, dry or windy environments. If applied in very hot environments, it may cause spalling, cracks and strength reduction consequently.  
-Pay attention to the product storing conditions. Do not keep the product in humid or very hot places.  
-In case any petrification is found out in the bag, do not use the product.  
-The newly applied surfaces must be protected against water contact definitely.

-Do not breath its powder since it consists of various chemical additives and plaster. Avoid contact with skin and eyes. In case of contact, wash your skin/eyes with plenty of water. Use protective equipment such as mask, gloves etc. during the works.

### Warnings and Suggestions

-Pay attention to the water / plaster ratio of the mixture. Otherwise, deterioration of this ratio may cause spills, cracks and low strength.  
-Do not apply in very hot, dry and windy environments. As a result of applications to be made in extremely hot environments, spills, cracks and loss of strength may occur.  
-Pay attention to product storage conditions. Products should not be stored in humid and very hot environments.  
-It should never be used when there are situations such as petrification in the bag.  
-Applied surfaces should never come into contact with water.  
-Dust should not be inhaled as it contains various chemical additives and gypsum. It should not come into contact with skin and eyes. In case of contact, wash with plenty of water. Work clothes such as masks and gloves should be used during work.

### Application tools

Hand mixer, spatula, steel trowel

### Application

-The container in which the mortar will be prepared must be clean and cleared of the remnants of the previous mixture.  
-It is necessary to pay attention to cleanliness of the water and materials used. The water temperature must be between 17 and 23 °C -The mortar must be prepared by using 6.25- 6.75 liters of water and 10 kg of ARKIM ARGIPS BACKFILL.  
-Water is poured into the container, and then ARKIM ARGIPS BACKFILL is added. The plaster is given 2-3 minutes to absorb the water.  
-The plaster is mixed until a homogeneous consistency is achieved by mixing with a trowel or hand mixer.  
-If a hand mixer is used, operate the hand mixer in low speed since the operating speed can affect the setting time.  
-In the mixing container, the mortar is mixed until a homogeneous pasty consistency is achieved.  
-Do not mix any other product or materials into ARKIM ARGIPS BACKFILL.  
-No water or plaster should be added into the mortar during or after mixing.  
-The mortar ready for the application is applied using a clean trowel. The spaces between the wall joints and plasterboards are filled through a pre-filling process. The joint tapes are placed as aligned to the centerline of the boards before the application.  
-The first coat of the homogeneous mixture is applied on the joint tape, and this coat is smoothed after drying out. The second coat is applied on the plasterboard. After the surface has dried, it is sandpapered.  
-The surface is finished with ARKIM ARGIPS SATIN.  
-After the application, the surface becomes smooth, bright and ready for painting.

### Storage conditions

-Bags must be stacked in a dry place and to a height that does not exceed 18 bags. Bags must be stored so as not to contact with the ground in order them to be protected against humid. ARKIM ARGIPS BACKFILL stored as described above must be used within 12 months as of the production date. Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

## Argips PLASTERBOARD ADHESIVE GYPSUM 9622



### Definition

It is a highly flexible bonding plaster with high bonding strength that binds plasterboards on the surfaces like concrete, gas concrete, and brick, and thus provides flexible and decorative visuality.

### Area of application

-Used for covering the existing wall surfaces with plaster boards, bonding polystyrene materials, rock wools and insulation boards onto walls and other construction components, and filling the spaces where the wall and the ceiling joint.

### Application features

-Using period: Min. 60 minutes Setting Time: 80-90 minutes  
-Bonds strongly.  
-Its strength increases quickly after setting.  
-Easily applied.  
-Never allows bacterial, mold, fungi growth.  
-Provides a healthy environment by stabilizing humidity

### Surface preparation

-The application surfaces must be cleared of dust, dirt, oil, etc. that prevent adherence.  
-The surface must be wet in dry and hot weather conditions.  
-The smooth surfaces must be roughened before the application by using ARKIM ARKONTAK.

### Application conditions

-Ambient temperature should be between +5 °C and +30 °C -Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours.  
-The newly applied surfaces must be protected against water contact definitely.  
-Do not apply on surfaces under direct sun or strong wind, or hot surfaces.

### Warnings and advices

-Pay attention to the water/plaster ratio of the mix. Otherwise, it may cause spalling, cracks or strength reduction.  
-Do not apply in very hot, dry or windy environments. If applied in very hot environments,

it may cause spalling, cracks and strength reduction consequently.  
-Pay attention to the product storing conditions. Do not keep the product in humid or very hot places.  
-In case any petrification is found out in the bag, do not use the product.  
-Do not breath its powder since it consists of various chemical additives and plaster. Avoid contact with skin and eyes. In case of contact, wash your skin/eyes with plenty of water. Use protective equipment such as mask, gloves etc. during the works.

### Application tools

Hand mixer, trowel, steel trowe

### Application

-The container in which the mortar will be prepared must be clean and cleared of the remnants of the previous mixture.  
-It is necessary to pay attention to cleanliness of the water and materials used. The water temperature must be between 17 and 23 °C.

-The mortar must be prepared by using 5.75-6.25 liters of water and 10 kg of ARKIM ARGIPS FIX.  
-Water is poured into the container, and then ARKIM ARGIPS FIX is added. -  
The plaster is given 2-3 minutes to absorb the water.  
-The plaster is mixed until a homogeneous consistency is achieved by mixing with a trowel or hand mixer.  
-If you are using a mechanical mixer, it must be used at a low speed. -  
No water or plaster should be added into the mortar during or after mixing to prevent lump formation.  
-Pay attention to cleanliness of materials to be used in application.  
-Do not mix any other product or materials into ARKIM ARGIPS FIX.  
-It must be ensured that the the application surface is moistened prior to application.  
-Application on smooth surfaces like concrete, gas concrete, etc. can be made by applying the bonding plaster by comb trowel.  
-It is used in the form of groups on non-smooth surfaces like brick, stone, briquette, etc.  
-After the bonding plaster has been applied, the plasterboard is pressed unto and affixed to the application surface. The boards are pressed unto the wall using floating rule.  
-The similar process is applied to the other materials to be stuck to the wall.

### Storage conditions

-Bags must be stored in a dry place and to a height that does not exceed 18 bags. Bags must be stored so as not to contact with the ground in order them to be protected against humid. ARKIM ARGIPS FIX stored as described above must be used within 12 months as of the production date. Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

General Information	
Physical form	White, powder
Shelf life	See storage conditions
Packaging	25 - 30 - 35 kg polypropylen laminated bag
Application Features	
Application Temperature	+5 °C to +35 °C
Mixing Ratio	5.5 - 6 L water/10 kg powder
Usage Time	100 - 120 minutes
Freezing Time minimum	20 minutes
Second gauge usage time	60 - 80 minutes
Application Thickness minimum	10 mm - maximum 20 mm
Consumption	7.5 - 8kg/m² (for 10 mm thickness)
Performance Details	
Compressive Strength	≥ 2 N/mm²
Calcium Sulphate percentage	≥ %30
Setting time start Normal Adhesion Endurance	≥ 0,1 N/mm²
Heat Resistance	≤ 0,3 W/(m/K)
Insulating the sound spreading through the air	NPD
Dry Surface Stiffness	≥ 55 SHORE D
Reaction to Fire	A1
Temperature resistance Between	-30 °C and +60° C
Note: The application features have been determined in consequence of the tests conducted in laboratory environment (23 ± 2°C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients.	
Reference Standarts	
TS EN 13963 3B	
CE	

General Information:	
Physical form	White, powder
Shelf life	See storage conditions
Packaging	30 kg polypropylen laminated bag
Application Features	
Application temperature Between	+5° C and +35°C
Mixture ratio	5,75 - 6,25 L water/10 kg powder
Using period Max.	60 minutes
Setting Time	15 - 60 minutes
Consumption	1 - 1,5 kg/m²
Performance Details	
Compressive Strength	≥ 2 N/mm²
Calcium Sulphate percentage	≥ %30
End of the using period	≥ 60 minutes
Adhesive Strength	≥ 0,06 MPa
Heat Resistance	≤ 0,3 W/(m/K)
Insulating the sound spreading through the air	NPD
Dry Surface Stiffness	≥ 50 SHORE D
Reaction to Fire	A1
Temperature resistance Between	-30°C and +° C
Note: The application features have been determined in consequence of the tests conducted in laboratory environment (23 ± 2°C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients.	
Reference Standarts	
TS EN 14496	
CE	





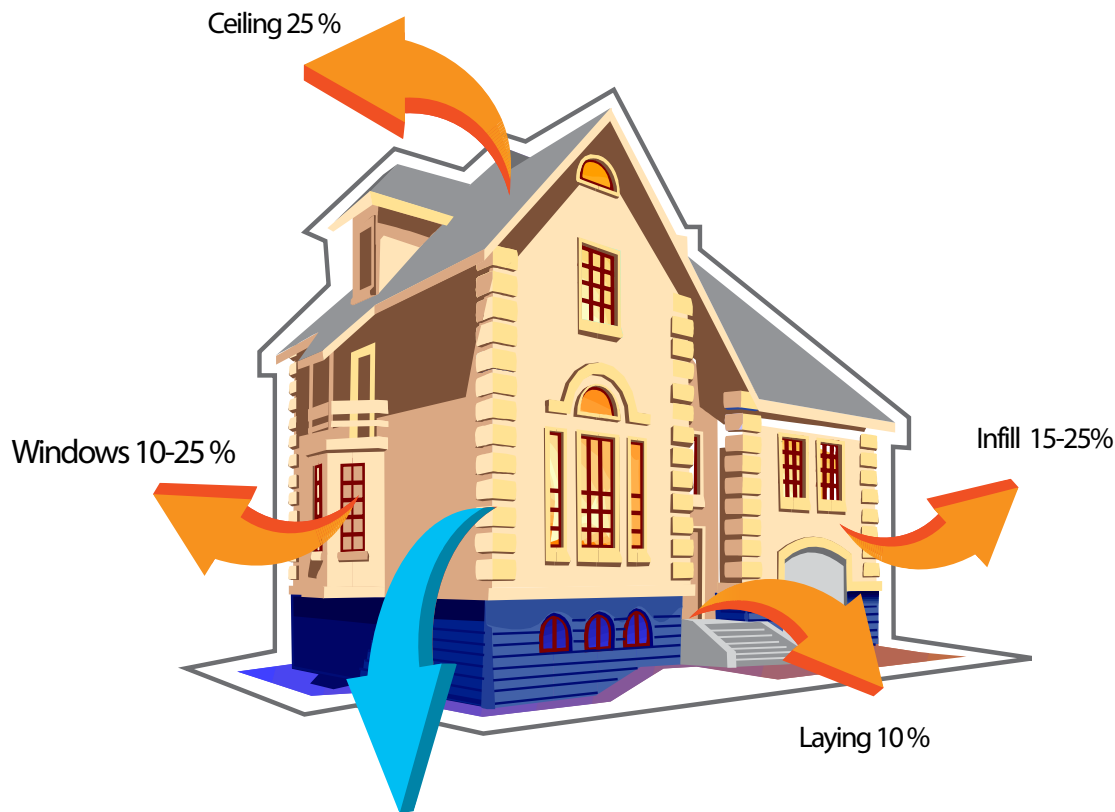
www.artherm.tc

11 | **ARTHERM** | Thermal Insulation Systems

THERMAL INSULATION BOARD  
 ARTHERM ARPLATE  
 ARTHERM AREPS WHITE  
 ARTHERM AREPS CARBON  
 ARTHERM WALLSTONE  
 OTHER SYSTEM COMPONENTS  
 SYSTEM COMPONENTS APPLICATION  
 ARKIM ARTHERM AD  
 ARKIM ARTHERM AD READY  
 ARKIM ARPLAST LF  
 ARKIM ARDEKOMIN THICK  
 ARKIM ARDEKOMIN THIN  
 ARKIM ARDEKOMIN LINE PATTERNED  
 ARSELANS SILITECH  
 ARSELANS AKRITECH  
 ARSELANS ARASTAR  
 APPLYING SYSTEM COMPONENTS  
 ARBLOCK THERMAL  
 ARBLOCK SOUND  
 ARKIM ARBLOCK WALLBLOCK  
 ARKIM WALLBLOCK CONSUMPTION TABLE  
 ARKIM ARREPAIR THICK







### Thermal bridge 20-50 %

#### Artherm Thermal Insulation Systems

##### It is economical

It prevents heat loss caused by facade, thus saving heating and cooling cost by almost 50 percent.

•It is the most ideal method in terms building physics, as the facades of the building are covered entirely. It prevents the formation of thermal bridges on the structural members such as columns, beams, etc.

•Since it protects the building envelope against the heat exchanges, it prevents any negative effects on the load-bearing system.

•It prevents any potential corrosion on the reinforcements in the building load-bearing system. •It prevents condensation as well as the emergence of humidity, bacteria and mold on the walls.

•Since there will be no narrowing of the internal volume, the net floor area is not affected.

•It decreases the heating/cooling system installation costs in new buildings.

##### Aesthetic

•It decreases the facade maintenance costs

of the building, and prolongs the life of the building. •In addition to energy saving in old buildings, it allows aesthetic solutions on the facades.

##### Comfortable

•The sheathing system creates healthy and comfortable living conditions by ensuring balanced heat distribution. (According to the European Union standards, thermal comfort is the condition when the difference between the interior temperature of the building and the surface temperature of the interior wall is no more than 2-3°C.)

##### Trustworthy

Reliable The result performance of the combined system products (thermal insulating material, adhesive, plaster, fiber mesh, surface coating materials, and all the components inside the system) is acquired through aging tests during which the real conditions are simulated. All components are under the assurance of Artherm. Since the materials tested for compatibility with each other are used throughout its life, the building

is not affected by negative climate conditions and allows sustainable saving

##### Environment

Friendly It makes great contribution to environment by ensuring less fuel consumption

##### Thermal insulation

With the thermal insulation of buildings, it is intended to ensure thermal economy and comfort by preventing the escape of hot/cold air provided to warm/cool the building depending on the climate conditions. The purpose of insulating the buildings against thermal effects is to prevent structural damage (frost damage caused by the changes in temperature, humidity damage, mold growth, deterioration, decaying or corrosion of iron components, etc.) caused in time by harmful heat movements and vapor condensation, as well as saving energy. In this way, it is intended to keep the maintenance costs of the building limited, ensure the compliance of the interior living ambient with the comfort requirements, and to make contributions to our family economy and national economy through saving heating energy

in winter and cooling energy in summer. The thermal stresses caused by temperature changes in the buildings the facades of which are not thermally insulated, or insulated in a defective manner, cause considerable damage to building envelope. This shortens the life of the building, and causes considerable maintenance-repair costs through the life of the building. First of all, it is necessary to calculate the thermal insulating requirements as per the thermal calculations of the building. The materials to be used in the external walls must be selected by considering the temperature and humidity rates prescribed for the climatic zone of the building and the building itself. Package systems provide important privilege in enjoying all advantages of thermal insulation. In the sheathing applications in particular, the package systems composed of weatherproof and compatible materials do not lose their thermal insulation performances in time. Artherm offers all materials used in thermal insulation application, such as thermal insulating board, adhesive, plaster, fiber mesh, dowel and surface coating materials, altogether, thus enabling both the implementer and the end-user to access easy application and system solutions that are reliable in the long-run.

ETICS Sistem Bileşenleri Thermal insulation materials Artherm Areps White Artherm Areps Carbon Thermal Insulation Board Plaster Arkim Arplast LF Thermal Insulation Board Adhesive Arkim Artherm AD Reinforcement Mesh Artherm File AT1121 Primer Arselans Arastar Topcoat coating material Arkim Ardekomin Arselans Akritech Arselans Silitech Mechanical Stabilizer Artherm Dübel AT 1141 Rails Artherm Profil KF-PVC Performance details Impact Strength I2 Penetration Strength PE200 Fire Class B B Thermal Resistance  $\geq 1 \text{ m}^2\text{K/W}$  (EPS minimum thickness of 4 cm) Reference standards TS EN 13499

#### ETICS System Components

Thermal insulation materials	Artherm Areps White Artherm Areps Carbon
Thermal Insulation Board Plaster	Arkim Arplast LF
Thermal Insulation Board Adhesive	Arkim Artherm AD
Reinforcement Mesh	Artherm File AT1121
Primer Arselans Arastar Topcoat coating material	Arkim Ardekomin Arselans Akritech Arselans Silitech
Mechanical Stabilizer Artherm Dübel AT 1141 Rails	Artherm Profil KF-PVC

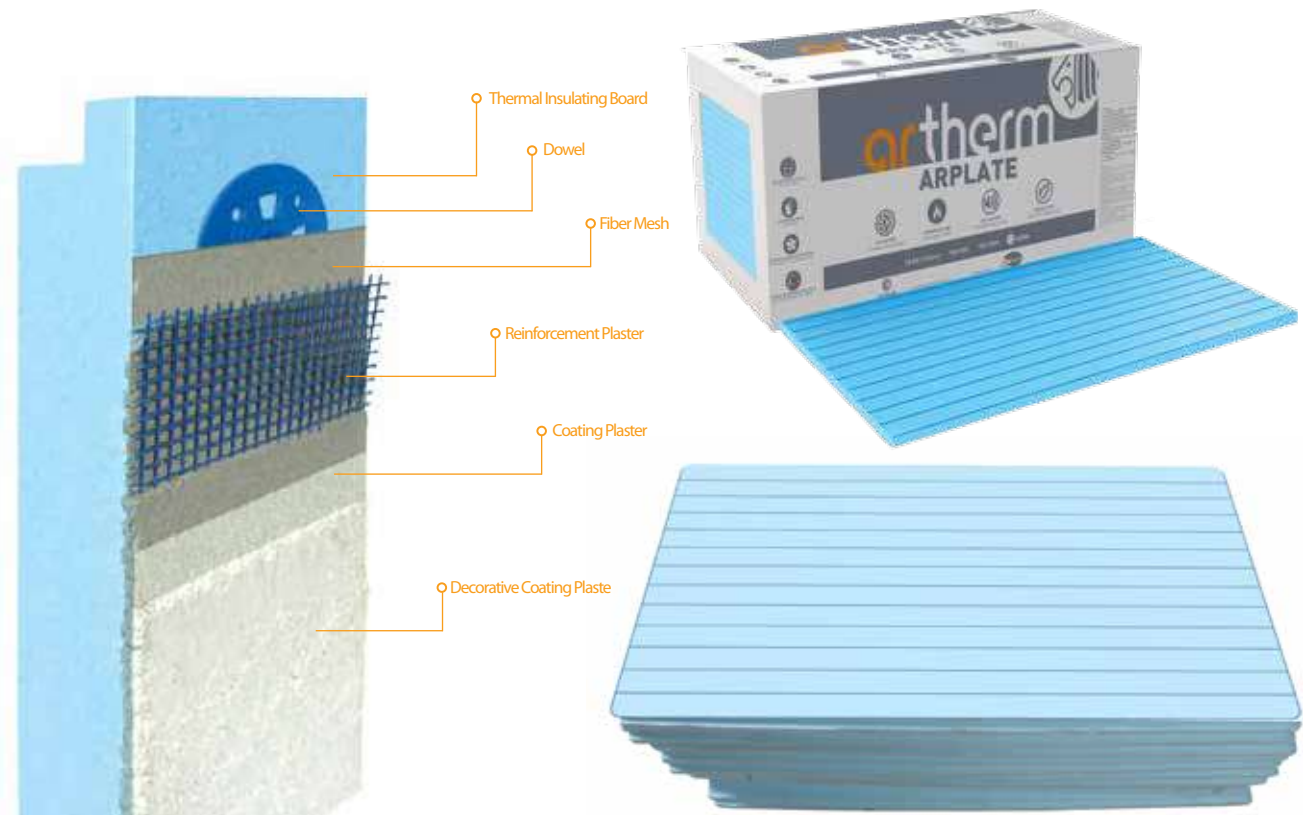
#### Performance details

Impact Strength	I2
Penetration Strength	PE200
Fire Class	B B
Thermal Resistance	$\geq 1 \text{ m}^2\text{K/W}$ (EPS minimum thickness of 4 cm)

#### Reference standards

TS EN 13499

## Artherm ARPLATE



#### Description:

They are foam materials that have homogeneous cell structure and are produced and used for thermal insulation purposes. Thanks to the production technology, a stable cell structure with honeycomb appearance is acquired. Thanks to this structure, the Extruded Polystyrene materials (XPS) neither intake water nor are affected by humidity, and they have a deserved superiority to other thermal insulating materials.

#### Fields of application :

- Roofs (terrace, hipped), - Walls (externally, sandwich, internally), - Underground insulations (basement face railroad insulations against frost), - Floors (under

#### Superior features of XPS:

-Its Thermal Conductivity Coefficient is lower than the other thermal insulation materials. -Since it does not absorb water, it has a continuous and non-decreasing  $\lambda$ -thermal conductivity value. -Its thickness does not decrease. (100-500 kPa) -It does not absorb water -High elasticity module and dimensional stability. -Optimum vapor diffusion resistance -Mild -It can be cut with any cutting tool; it neither chips off nor diminishes.

#### General Information

Packaging Length:	1250 mm
Thickness:	600 mm Width: 20 - 25 - 30 - 40 - 50 - 60 - 70 - 80 mm

#### Application Features

Application Temperature Between	(+5°C) and (+35°C)
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#### Performance Information

Density	28-32 kg/m <sup>3</sup>
Heat conductivity factor	0.035 W/mK
Dimensional stability at specific temperature and relative humidity DS % (23.90)	1
Deformation under specified compressive load and temperature conditions % DLT(1)5	
Water absorption by diffusion	% WD(V)5
Compressive stress at	10% deformation 25 kPa
Freeze-Thaw Resistance	% FT1 Long term water absorption WL(P) $\leq 3\text{kg/m}$
Water Vapor Transmission	MU100
Thickness Tolerance	Class T2
Fire class	E

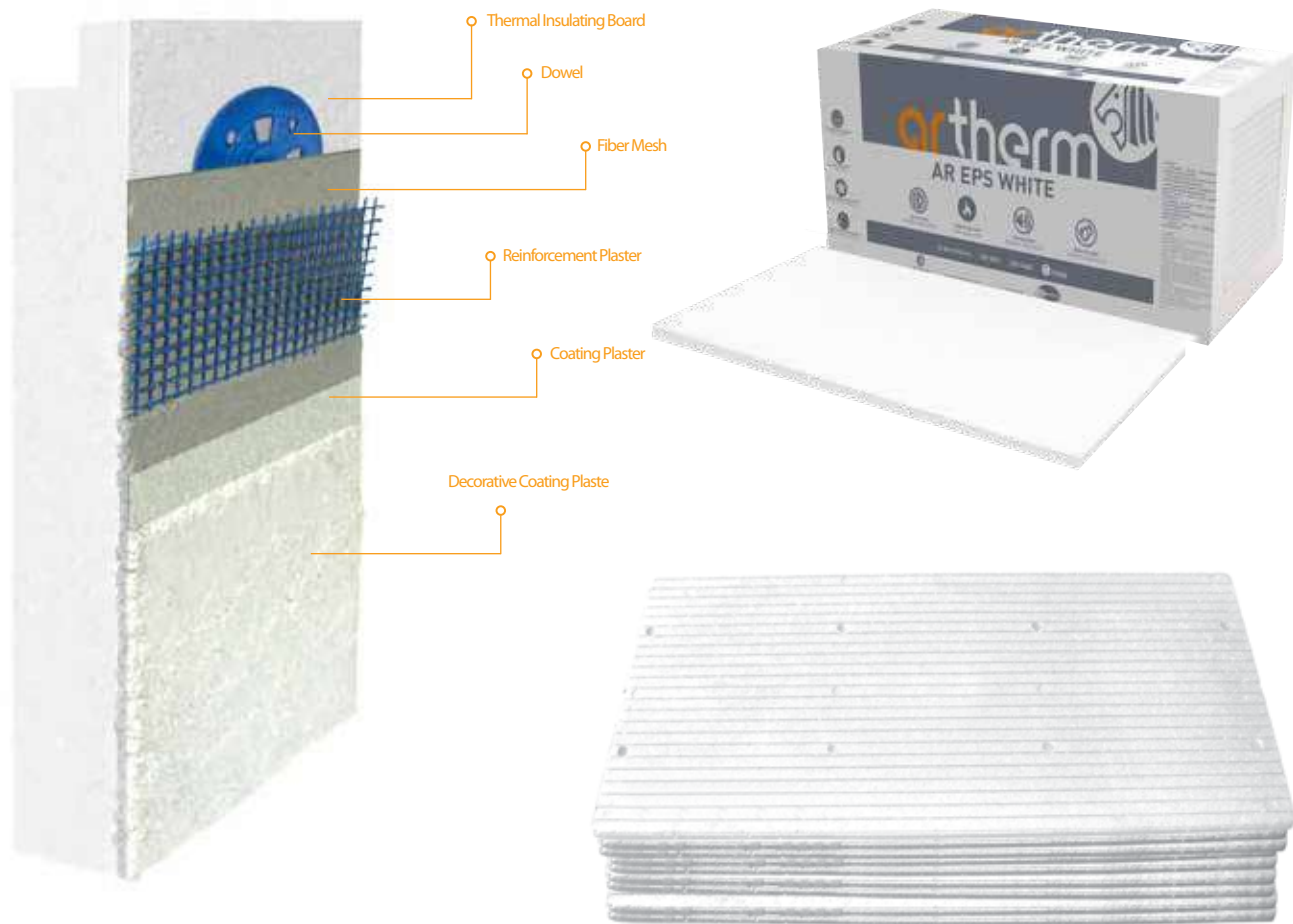
Note: The application features have been determined in consequence of the tests conducted in laboratory environment (23  $\pm$  20 C and 50%  $\pm$  5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients.

#### Reference standards

TS EN 13164 + A1

ARPLATE 20 mm	AT 1111
ARPLATE 25 mm	AT 1112
ARPLATE 30 mm	AT 1113
ARPLATE 40 mm	AT 1114
ARPLATE 50 mm	AT 1115
ARPLATE 60 mm	AT 1116
ARPLATE 70 mm	AT 1117
ARPLATE 80 mm	AT 1118

## Artherm AR EPS WHITE

**Definition :**

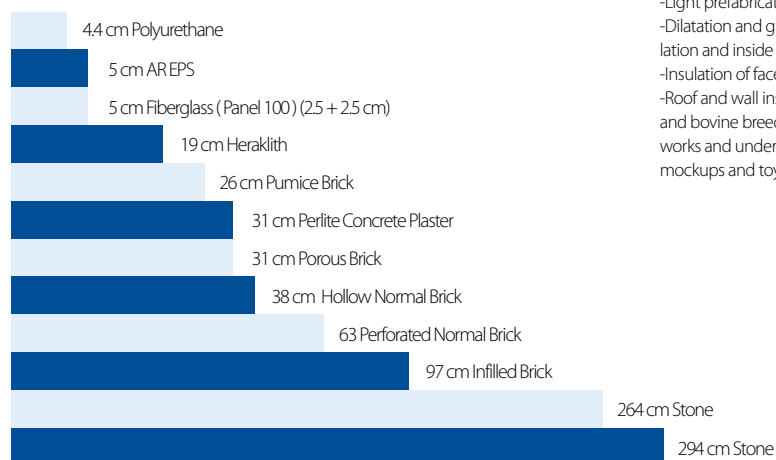
AR EPS is produced by inflating the polystyrene granules and fusing them in the mold system. When it is used on the roofs, walls and basements of the buildings, it wraps the building like a thermos thanks to its perfect thermal insulation feature. It decreases the heating and cooling costs in winter and summer respectively, thus minimizing these important parameters of the operating costs. It prevents the increase of environment pollution through less fuel consumption

**Fields of application :**

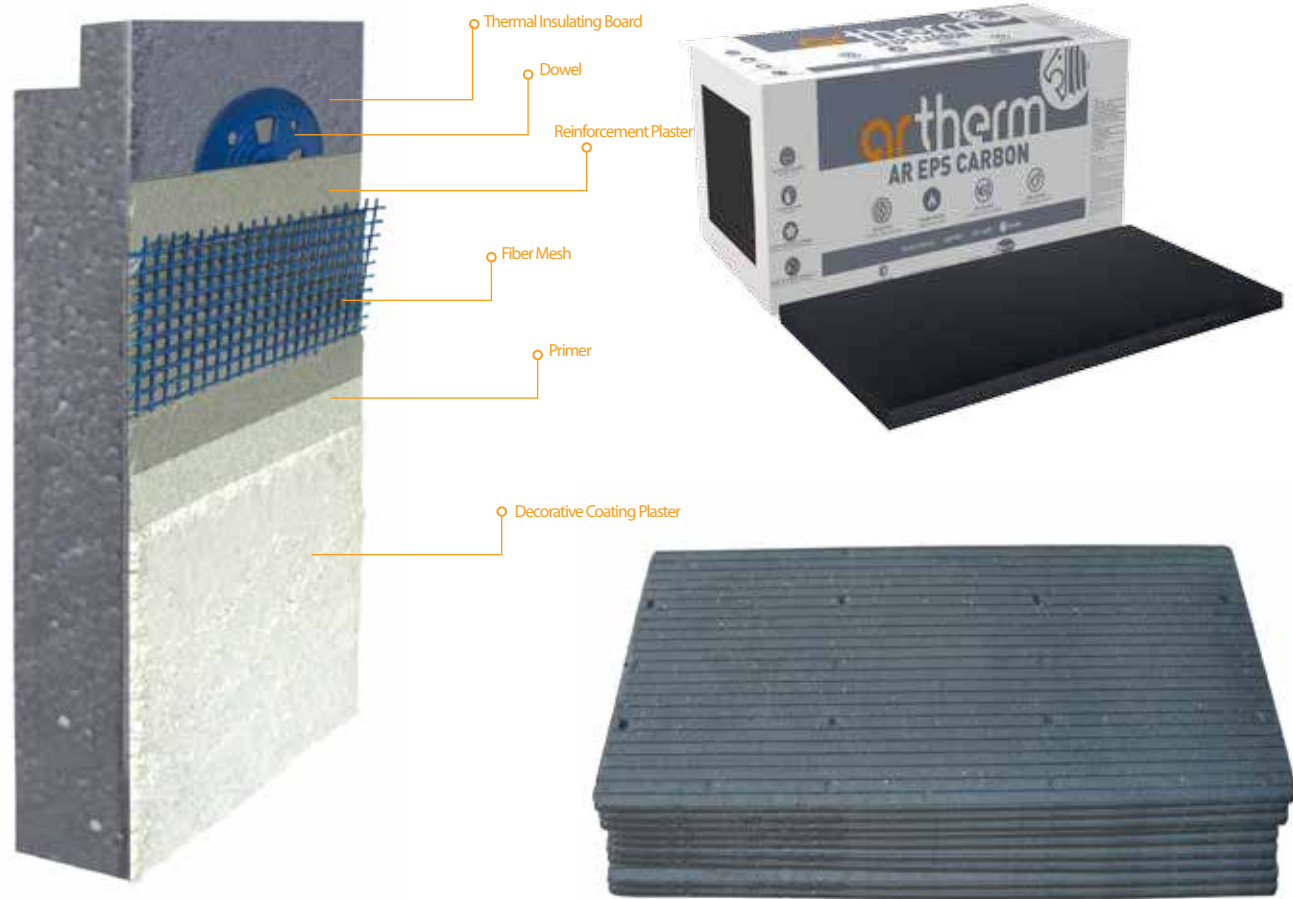
Thermal and sound insulations of any buildings and structures, -Refrigeration plants, cold stores and commercial warehouses, -Light prefabricated construction elements, -Dilatation and gutters, -Floor concrete insulation and inside the concrete in bead form, -Insulation of face walls, columns and beams, -Roof and wall insulation for poultry and ovine and bovine breeding, -Decoration, ceiling rose works and under the parquets, -Production of mockups and toys,

**Superior features of EPS:**

- It is an economic application. -While it is a product providing high protection advantage, it is rather light. -It does not lose its insulation feature in time thanks to its strength. -Its water absorption value is very low. -It is shock-absorber. -It does not include poisonous gases like CFC. -It prevents bacterial reproduction. -It has a high fire resistance as it is a B1 class flameproof material as per the DIN 4102 standard. -It is not aged, and thus it neither decays nor loses its insulation value in time. -It can be cut to desired form according to the intended use. -It can be painted and printed.



## Artherm AR EPS CARBON

**Superior features of EPS :**

EPS with graphite reflector ensures significant decrease in thermal conductivity through infrared absorptency and reflectance thanks to its graphite additive, and takes its color from this material.

All the other features of EPS such as superior technical features, vapor permeability, dimensional stability, and environmentfriendliness are present in the graphite-added EPS without any missing.

The graphite-added EPS is produced in compliance with the requirements of DIN EN 13163 European standard, and its fire class is below E according to DIN EN 13501-1.

According to DIN 4102 German Norm, its class is B1 – difficult to ignite.

The Thermal Conductivity Coefficient of EPS, the density of which is 15 kg/m³, is 0.037 W/(m.K) according to the EN 13163 calculation.

EPS with graphite reflector, the density of which is 15 kg/m³, has the thermal conductivity value of a 30 kg/m³ EPS. In this way, it is possible to achieve equal insulation performance through thinner insulation boards by providing 20% better thermal insulation.

**General Information**

Packaging	Length: 1250 mm Width: 600 mm Thickness: 1 - 100 cm
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**Application features**

Application temperature	(+5°C) ile (+35°C) arası
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Performance details	EPS50(CARBON)	EPS70(CARBON)	EPS80(WHITE)	EPS100(WHITE)	EPS120(WHITE)
Density	16 kg/m³	20 kg/m³	16 kg/m³	20 kg/m³	20 kg/m³
Thermal Conductivity	0,032 W/m.K	0,031 W/m.K	0,038 W/m.K	0,036 W/m.K	0,034 W/m.K
Dimensional stability at a specific temperature and relative humidity	% DS(70;-)2	% DS(70;-)2	% DS(70;-)2	% DS(70;-)2	% DS(70;-)2
Dimensional stability under constant normal laboratory conditions	% DS(N)2	% DS(N)2	% DS(N)2	% DS(N)2	% DS(N)2
Size-Tolerance Classes	L3, W3, T2, S5, P5	L3, W3, T2, S5, P5	L3, W3, T2, S5, P5	L3, W3, T2, S5, P5	L3, W3, T2, S5, P5
Compressive stress at 10% deformation	50 kPa	70 kPa	80 kPa	100 kPa	120 kPa
Bending Strength	BS100 kPa	BS125 kPa	BS125 kPa	BS150 kPa	BS200 kPa
Dip long term water absorption	% WL(T)4	% WL(T)4	% WL(T)3	% WL(T)3	% WL(T)2
Tensile strength perpendicular to the surface	TR100 kPa	TR100 kPa	TR100 kPa	TR100 kPa	TR150 kPa
Fire Class	E	E	E	E	E

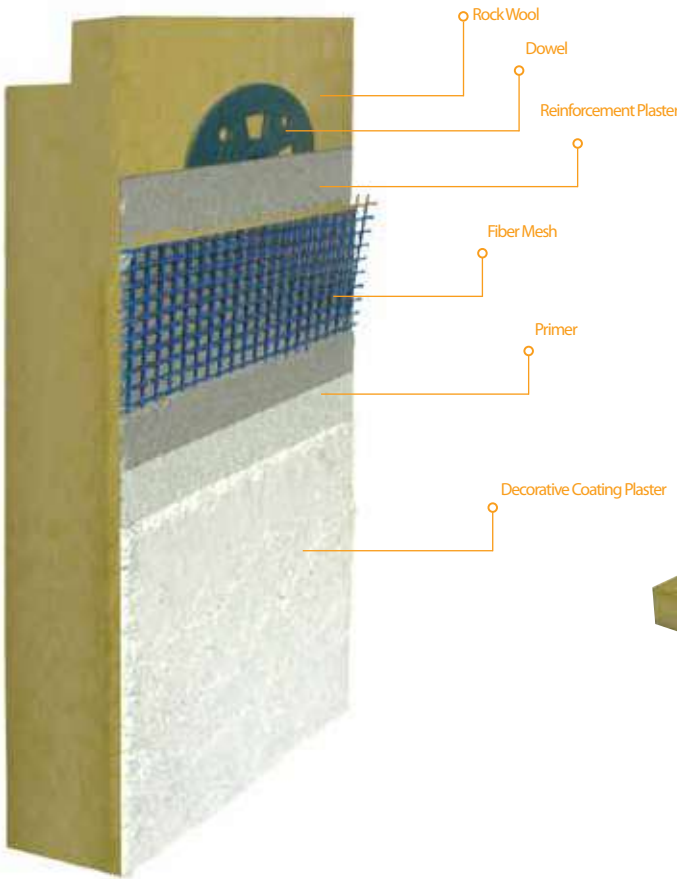
**Note:** The application features have been determined in consequence of the tests conducted in laboratory environment (23 ± 2 °C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients.

**Reference Standards**

TS EN 13163:2012+A2



Artherm ROCK WOOL



**Description:**  
It is a natural fiber which is formed by melting the mineral and inorganic stones obtained from volcanic rocks in the nature between 1400-1500 degrees and becoming fibers, and which contains 97% heat insulation material.

**Application Fields:**  
ARTHERM ROCKWOOL has a high level of insulation feature on roofs of buildings, partitions and walls, exterior facade insulations, furnaces, insulation of steel doors, ship constructions, electrical appliances, entertainment venues, cinemas, wherever heat, sound, moisture insulation and fire safety are required.

**Superior Features of Rockwool:**  
- Does not produce bacteria and microorganisms thanks to inorganic structure.  
- It is an ecological and environmentally friendly product made of natural raw materials.  
- Rockwool is water-repellent due to its saturated structure. Since it has vapor permeability, rockwool does not contain moisture in it.  
- The use of rockwool reduces the need for fossil fuels. Therefore, it will help to reduce CO<sub>2</sub> emissions and mitigate ecological events such as climate change.  
- The rockwool provides vital fire safety since it is resistant to temperatures above 1000°C.

General Information	
Packaging	Length: 1200 mm Thickness: 600 mm Width: 40-50-60-70-80-100-120-140 mm
Performance Information	
Density	40 kg/m³ 50 kg/m³ 70 kg/m³ 100 kg/m³ 120 kg/m³ 130 kg/m³ 150 kg/m³
Heat conductivity factor	0,037 W/mK
Dimensional stability at specific temperature and relative humidity	%DS(23,90)1
Water vapor permeability	<1
Thickness tolerance class	T4
Short term water absorption	WS ≤1 kg/m²
Long term water absorption	WL(P) ≤3kg/m²
Fire class	A1
Reference Standards	
TS EN 13162+A1	



ARTHERM MESH

It is used to provide resistance to surface movements and tensions in sheathing works. It is weatherproof and resistant to alkali.

Density:: 75 gr/m² - 160 gr/m²  
Usage amount: 1,1 m²/m²



ARTHERM PROFILE K-AL

The aluminum profile used on edges and corners to increase strength against external factors.



ARTHERM PROFILE D-PVC

The PVC profile used on projections to prevent the facade from being affected by water.



ARTHERM PROFILE DF-PVC

The PVC profile with mesh used on projections to prevent the facade from being affected by water.



ARTHERM PROFILE SILL

The profile used to protect the system in cases where the sill is insufficient after sheathing of the current buildings.



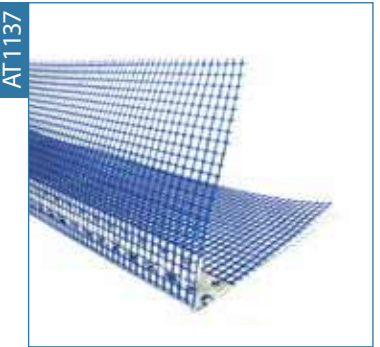
ARTHERM JOINT PROFILE

The profile used to create joint on building surfaces.



ARTHERM SUB-BASEMENT WEDGE

If the wall is slanted while mounting the sub-basement profiles on the facade, the profile is leveled with wedges.



ARTHERM PROFILE KF-PVC

The PVC profile with mesh used to increase strength on the edges and corners.



ARTHERM SUB-BASEMENT PROFILE

The tool used to position the dowel head accurately while applying dowels on the boards.



ARTHERM DOWEL

The mechanical fitting used to anchor the boards on the surface.



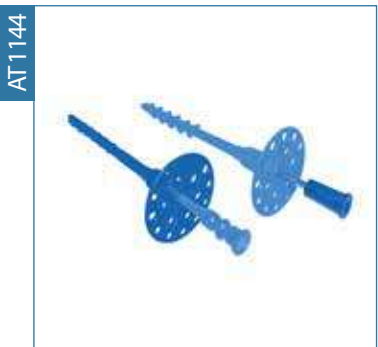
STEEL NAIL DOWEL

The fitting used to anchor the boards on concrete and firm floors.



THREADED DOWEL FOR WOOD (OSB)

The fitting used to anchor the boards on OSB and wooden floors.



GAS CONCRETE DOWEL

The fitting used to anchor the boards on gas concrete surfaces.

Arkim ARTherm AD 7211



- Definition**  
Cement-based adhesive mortar for thermal insulating boards.

**Area of application**  
-It is used to affix the polystyrene boards (XPS, EPS) facade sheathing for all buildings.  
Application features -Using period: Max. 2 hours  
-Using period: Max. 10-15 minutes  
-Time to pass to apply plaster on the affixed insulating board: 2 days

**Surface preparation**  
-The surfaces on which ARKIM ARTherm AD will be applied must be cleared of dust, dirt, oil, etc. that prevent adherence.  
-Any irregularities on the application surfaces, if any, are repaired with ARKIM ARREPAIR THIN or ARKIM ARREPAIR THICK.  
-It is necessary to make sure that the surface has been cured and robust.  
- If they are porous, the application surfaces must be dampened. -It is necessary to make sure that
- the application surface is robust, self-supporting and level.

**Application conditions**  
-Ambient temperature should be between +5°C and +35 °C  
-Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours. -Do not apply on surfaces under direct sun or strong wind, or hot surfaces.

**Warnings and advices**  
-Strictly avoid adding foreign substances.  
-After the application, all tools used must be washed with water before letting them dry.  
-Do not apply on weak surfaced with low strength.

**Application tools**  
Hand mixer, steel trowel, notched trowel

**Application**  
-The container in which the mortar will be prepared must be clean and cleared of the
- remnants of the previous mixture. -It is necessary to pay attention to cleanliness of the water and materials used.  
-The mortar must be prepared by using 5.5-6 liters of water and 25 kg of ARKIM ARTherm AD.  
-Firstly, water is poured into the container, and then the powder is added slowly. They are mixed until a homogeneous mixture is obtained.  
-A low speed mixer must be used to obtain a homogeneous mixture.  
-After a homogeneous mixture has been obtained, the mortar is left to mature for 5-10 minutes.  
-Before starting the application, the mixture must be remixed for 1-2 minutes.  
-After the mixture has become homogeneous, never add powder, water or another material.  
-ARKIM ARTherm AD must be applied depending on flatness of the application surface. If the surface is flat, rear side of the board must be notched, and if the surface is not flat, the product must be applied by grouping the mortar on the back face of the board.
- During the bonding process, it is necessary to check whether the boards are at the same level using gauge and bubble level.  
-The prepared mortar must be consumed within 3 hours.  
-The caked mortar in the container or the mortar the using period of which is over must be discharged.  
-Wash your hands and application tools with plenty of water after the application.  
-Depending on the ambient temperature and the surface properties, mechanical dowel must be applied at least 24 hours later.

**Storage conditions**  
-It is necessary to take care not to put more than 10 Kraft bags on top of each other in storage.  
-This product must be stored in dry indoor areas away from direct sunlight.  
-Bags must be stored so as not to contact with the ground in order them to be protected against humid.  
-Under such conditions, the product can be stored for 12 months as of the production date.  
-Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

<b>General Information</b>	
Physical form	White, powder
Shelf life	See storage conditions
Packaging	25 kg kraft bag Pallet: 64 pieces of 1600 kg in total
<b>Application features</b>	
Application temperature: Between	+5 °C and +35 °C
Mixture ratio	5,5 - 6 L water/25 kg powder
Using period Max.	2 hours
Workable period Max.	10 - 15 minutes
Time to pass to apply plaster on the affixed insulating board	2 days
Consumption Approximately	3 - 5 kg/m
<b>Performance Details</b>	
Hollow Unit Volume Mass of Fresh Mortar	≥ 1000kg/m³
Sleeve analysis: Amount remaining on the sleeve with pressive Strength	1 mm mesh ≤ %1,0 Bending Strength ≥ 2 N/mm² Com- ≥ 6 N/mm²
Strength of Adhesion to Thermal Insulating Board	≥ 0,08 N/mm²
Water Absorption For 30 minutes,	≤ 5g
Water Absorption For 240 minutes,	≤ 10g
Strength of Adhesion to Lower Layer	≥ 0,5 N/mm²
Fire Class	A1
Temperature resistance Between	-30°C and +60°C
Note: The application features have been determined in consequence of the tests conducted in laboratory environment (23 ± 2.0 C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients.	
<b>Reference standards</b>	
TS 13566	
G	
Ministry of Public Works Pos. No: 04.480	



## Arkim ARTHERM AD READY 7212

**Definition**

Acrylic dispersion based, elastic ready-to-use, ready-made paste type adhesive mortar for thermal insulating board.

**Area of application**

-Used to attach thermal insulating boards (XPS-EPS-rock wool, etc.) on the surfaces such as painted surfaces, blanket coated panels, plasterboards, cement-based panels, gypsum plaster, wooden and prefabricated surfaces.

**Application features**

-Workable period: Maximum 20 minutes  
-Doweling period: Minimum 48 hours  
-Time to pass to apply plaster on the affixed insulating board: 2 days  
-Flexibility -Watertight but water vapor permeable  
-Ready to use, Solvent free.

**Surface preparation**

-The surfaces on which ARKIM ARTHERM AD READY will be applied must be cleared of dust, dirt, oil, etc. that prevent adherence.  
-It is necessary to make sure that the surface has been cured and robust.  
-Any irregularities on the application surfaces,

if any, are repaired with ARKIM ARREPAIR THIN, ARKIM ARREPAIR THICK or ARKIM ARGIBS REPAIR.  
-The surface must be lined with ARKIM ARASTAR before the application.  
-It is necessary to make sure that the application surface is robust, self-supporting and level.

**Application conditions**

-Ambient temperature should be between +5°C and +35 °C -Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours.  
-Do not apply on surfaces under direct sun or strong wind, or hot surfaces.

**Warnings and advices**

-Strictly avoid adding foreign substances. -After the application, all tools used must be washed with water before letting them dry.  
-Do not apply on weak surfaced with low strength.  
-During the application, the product must be stirred occasionally.  
-Keep the cover of the package closed when the product is not used.

**Application tools**

Hand mixer, notched trowel, spatula, trowel

**Application**

-It is necessary pay attention to cleanliness of the materials used.  
-It must be mixed in its own bucket with a lowspeed mixer.  
-ARKIM ARTHERM AD READY is applied on the application surface or the thermal insulating board by combing with 8x8 mm notched trowel.  
-When applied with the double-sided bonding method, ARKIM ARTHERM AD READY will give better results.  
-The double-sided bonding method is application of the adhesive on both surfaces with the notched trowel so that the combing directions will be perpendicular to each other.  
-For better adhesion of the affixed thermal insulating board, it is necessary to apply force on the board (plastic mallet).  
-During the bonding process, it is necessary to check whether the boards are at the same level using gauge and bubble level.  
-Depending on the ambient temperature and the surface properties, mechanical dowel must be

applied at least 48 hours later.

**Storage conditions**

-Must be stored in dry indoor areas away from direct sunlight.  
-Under such conditions, the product can be stored for 12 months as of the production date.  
-Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

**General Information**

Physical form	White, paste type liquid component
Shelf life	See storage conditions
Packaging	20 kg plastic bucket In crates: 27 pieces of 540 kg

**Application features**

Workable period	20 minutes
Doweling period: Minimum	48 hours
Time to pass to apply plaster on the affixed insulating board	2 days

**Performance details**

Strength of adhesion to thermal insulating board	≥0,08N/mm²
Water vapor transmission rate	V1
Water transmission rate	W1
Strength of adhesion to lower layer	≥ 1 N/mm²
Temperature resistance Between	+5 °C and +30 °C

Note: The application features have been determined in consequence of the tests conducted in laboratory environment

(23 ± 2 °C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients.

## Arkim ARPLAST LF 7222

**Definition**

Cement-based surface plaster for thermal insulating boards.

**Area of application**

-It is a plaster used on polystyrene boards (XPS, EPS) in all buildings. Thanks to polypropylene fibers, it delivers high performance against possible tensions on wall surfaces under cracking risk.

**Application features**

-Using period: Max. 90 minutes  
-Using period: Max. 20-30 minutes  
-Application thickness: 4 mm  
-Applicable layer thickness: Max. 2 mm  
-Time to wait between layers: Min. 3-4 hours  
-Time to wait for top coat: 7 days

**Surface preparation**

-The surfaces on which ARKIM ARPLAST LF will be applied must be cleared of dust, dirt, oil, etc. that prevent adherence.  
-Any irregularities on the application surfaces, if any, are repaired with ARKIM ARREPAIR THIN or ARKIM ARREPAIR THICK.  
-It is necessary to make sure that the surface has been cured and robust. -If they are porous, the application surfaces must be dampened. -It is necessary to make sure that the application surface is robust, self-supporting and level.

**Application conditions**

-Ambient temperature should be between +5°C and +35 °C -Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours.  
-Do not apply on surfaces under direct sun or

strong wind, or hot surfaces.

**Warnings and advices**

-Strictly avoid adding foreign substances. -After the application, all tools used must be washed with water before letting them dry

**Application tools**

Hand mixer, steel trowel, fiber mesh

**Application**

-The container in which the mortar will be prepared must be clean and cleared of the remnants of the previous mixture.  
-It is necessary pay attention to cleanliness of the water and materials used.  
-The mortar must be prepared by using 5,5-6 liters of water and 25 kg of ARKIM ARPLAST LF.  
-Firstly, water is poured into the container, and

then the powder is added slowly. They are mixed until a homogeneous mixture is obtained.

-A low speed mixer must be used to obtain a homogeneous mixture.  
-After a homogeneous mixture has been obtained, the mortar is left to mature for 5-10 minutes. -Before starting the application, the mixture must be remixed for 1-2 minutes.  
-After the mixture has become homogeneous, never add powder, water or another material.  
-The mortar is applied smoothly on thermal insulating boards with steel trowel.  
-The plaster fiber mesh is buried into the plaster mortar by pressing softly with steel trowel before the mortar dries.  
-The joints of the plaster fiber mesh are overlapped for almost 10 cm.  
-After the 1st coat of plaster has been dehydrated slightly, the 2nd coat of plaster is applied before it dries completely.  
-After the 2nd coat of plaster has been applied, the surface is leveled with steel trowel.  
-The prepared mortar must be consumed within 3 hours.  
-The caked mortar in the container or the mortar the using period of which is over must be discharged.  
-Wash your hands and application tools with plenty of water after the application.  
-After it has cured, the surface can be coated with any coating material.

**Storage conditions**

-It is necessary to take care not to put more than 10 Kraft bags on top of each other in storage.  
-This product must be stored in dry indoor areas away from direct sunlight.  
-Bags must be stored so as not to contact with the ground in order them to be protected against humid.  
-Under such conditions, the product can be stored for 12 months as of the production date.  
-Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

**General Information**

Physical form	Gray, powder
Shelf life	See storage conditions
Packaging	25 kg kraft bag Pallet: 64 pieces of 1600 kg in total

**Application features**

Application temperature Between	+5 °C and +35 °C
Mixture ratio	5,5-6 L water/25 kg powder
Using period Max.	90 Minutes
Workable period Min.	20-30 minutes
Application thickness Max.	4 mm
Applicable layer thickness Max.	2 mm
Time to wait between layers	3-4 hours
Time to wait for top coat	7 Days
Consumption Approximately Approximately	3 - 3,5 kg/m²

**Performance details**

Hollow Unit Volume Mass of Fresh Mortar	≥ 1150kg/m³
Hollow Unit Volume Mass of Hardened Cement-based Plaster	1450±250 kg/m³
Thermal conductivity	Chart 2T1 ≤ 0.48 W/mK (P=90%)
Sleeve analysis: Amount remaining on the sleeve with	1 mm mesh ≤ %1.0
Thermal Conductivity	Chart 2T1 ≤ 0.54 W/mK (P=90%)
Bending Strength	≥ 2 N/mm²
Compressive Strength	≥ 6 N/mm²
Strength of Adhesion to Thermal Insulating Board	≥ 0,08 N/mm²
Capillary Water Absorption	≤ 0,5 kg/m² . dk 0,5
Water Vapor Permeability Coefficient	μ ≤ 15
Fire Class	A1
Temperature resistance Between	-30°C and +60°C

Note: The application features have been determined in consequence of the tests conducted in laboratory environment

(23 ± 2.0 C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients

**Reference standards**

TS 13687

G

Ministry of Public Works Pos. No: 04481

## Arkim ARDEKOMIN THICK 7411



### Definition

Cement-based, decorative, mineral plaster

### Area of application

-It is used on finished and smooth roughcast surfaces in facade sheath systems.  
It is used as decorative coating on indoor and outdoor facade plasters.

### Application features

-Using period: Max. 1 hour  
-Using period: Max. 30 minutes  
-Application thickness: 2 mm

### Surface preparation

-The surfaces on which ARKIM ARDEKOMIN will be applied must be cleared of dust, dirt, oil, etc. that prevent adherence.  
-Any irregularities on the application surfaces, if any, are repaired with ARKIM ARREPAIR THIN or ARKIM ARREPAIR THICK.  
-It is necessary to make sure that the surface has been cured and robust.  
-If they are porous, the application surfaces must be dampened.  
-It is necessary to make sure that the application

surface is robust, self-supporting and level.

-The surface must be dampened or lined with ARKIM ARASTAR before the application if necessary.

### Application conditions

-Ambient temperature should be between +5 °C and +35 °C  
-Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours.  
-Do not apply on surfaces under direct sun or strong wind, or hot surfaces.

### Warnings and advices

-Strictly avoid adding foreign substances.  
-After the application, all tools used must be washed with water before letting them dry.

### Application tools

Hand mixer, steel trowel, plastic trowel

### Application

-The container in which the mortar will be prepared must be clean and cleared of the remnants of the previous mixture.  
-It is necessary pay attention to cleanliness of the water and materials used.

-The grout must be prepared by using 5,5-6 liters of water and 25 kg of ARKIM ARDEKOMIN.  
-Firstly, water is poured into the container, and then the powder is added slowly. It is mixed until no lump appears.  
-A low speed mixer must be used to obtain a homogeneous mixture.  
-After a homogeneous mixture has been obtained, it is let to settle for 5-10 minutes. Before starting the application, the mixture is remixed for 1-2 minutes.  
-After the mixture has become homogeneous, never add powder, water or another material.  
-The prepared mortar is applied on the surface in filler amount with steel trowel, and the surface is textured by circular movements using plastic trowel.  
-The prepared mortar must be consumed within 3 hours.  
-The product must be applied in a lump on interconnected surfaces.  
-It cannot be left on the surface as top coat construction material. It is compulsory to paint it after drying.  
-This product must not be applied in cases where the temperature may drop below +5 °C within 24

hours following the application.

-Excessively hot surfaces must be moisturized before the application.  
-In order to conceal the joints on wide surfaces or working breaks, it is necessary to use paper band, or to work non-stop and with sufficient number of applicators to ensure wet on wet application before the material dries.  
-The material must not be used on horizontal surfaces exposed to rain.  
-The caked mortar in the container or the mortar the using period of which is over must be discharged.  
-Wash your hands and application tools with plenty of water after the application.

### Storage conditions

-It is necessary to take care not to put more than 10 Kraft bags on top of each other in storage.  
-This product must be stored in dry indoor areas away from direct sunlight.  
-Bags must be stored so as not to contact with the ground in order them to be protected against humid.  
-Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

## Arkim ARDEKOMIN THIN 7422



### Definition

Cement-based, decorative, mineral plaster

### Area of application

-It is used on finished and smooth roughcast surfaces in facade sheath systems.  
It is used as decorative coating on indoor and outdoor facade plasters.

### Application features

-Using period: Max. 1 hour  
-Using period: Max. 30 minutes  
-Application thickness: 2 mm

### Surface preparation

-The surfaces on which ARKIM ARDEKOMIN will be applied must be cleared of dust, dirt, oil, etc. that prevent adherence.  
-Any irregularities on the application surfaces, if any, are repaired with ARKIM ARREPAIR THIN or ARKIM ARREPAIR THICK.  
-It is necessary to make sure that the surface has been cured and robust.  
-If they are porous, the application surfaces must be dampened.  
-It is necessary to make sure that the application

surface is robust, self-supporting and level.

-The surface must be dampened or lined with ARKIM ARASTAR before the application if necessary.

### Application conditions

-Ambient temperature should be between +5 °C and +35 °C  
-Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours.  
-Do not apply on surfaces under direct sun or strong wind, or hot surfaces.

### Warnings and advices

-Strictly avoid adding foreign substances.  
-After the application, all tools used must be washed with water before letting them dry.

### Application tools

Hand mixer, steel trowel, plastic trowel

### Application

-The container in which the mortar will be prepared must be clean and cleared of the remnants of the previous mixture.  
-It is necessary pay attention to cleanliness of the water and materials used.

-The grout must be prepared by using 5,5-6 liters of water and 25 kg of ARKIM ARDEKOMIN.  
-Firstly, water is poured into the container, and then the powder is added slowly. It is mixed until no lump appears.  
-A low speed mixer must be used to obtain a homogeneous mixture.  
-After a homogeneous mixture has been obtained, it is let to settle for 5-10 minutes. Before starting the application, the mixture is remixed for 1-2 minutes.  
-After the mixture has become homogeneous, never add powder, water or another material.  
-The prepared mortar is applied on the surface in filler amount with steel trowel, and the surface is textured by circular movements using plastic trowel.  
-The prepared mortar must be consumed within 3 hours.  
-The product must be applied in a lump on interconnected surfaces.  
-It cannot be left on the surface as top coat construction material. It is compulsory to paint it after drying.  
-This product must not be applied in cases where the temperature may drop below +5 °C within 24

-Ambient temperature should be between +5 °C and +35 °C  
-Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours.  
-Do not apply on surfaces under direct sun or strong wind, or hot surfaces.

-Strictly avoid adding foreign substances.  
-After the application, all tools used must be washed with water before letting them dry.

Hand mixer, steel trowel, plastic trowel

-The container in which the mortar will be prepared must be clean and cleared of the remnants of the previous mixture.  
-It is necessary pay attention to cleanliness of the water and materials used.

hours following the application.

-Excessively hot surfaces must be moisturized before the application.  
-In order to conceal the joints on wide surfaces or working breaks, it is necessary to use paper band, or to work non-stop and with sufficient number of applicators to ensure wet on wet application before the material dries.  
-The material must not be used on horizontal surfaces exposed to rain.  
-The caked mortar in the container or the mortar the using period of which is over must be discharged.  
-Wash your hands and application tools with plenty of water after the application.

### Storage conditions

-It is necessary to take care not to put more than 10 Kraft bags on top of each other in storage.  
-This product must be stored in dry indoor areas away from direct sunlight.  
-Bags must be stored so as not to contact with the ground in order them to be protected against humid.  
-Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

General Information	
Physical form	White, powder
Shelf life	See storage conditions
Packaging	25 kg kraft bag Pallet: 64 pieces of 1600 kg in total

Application features	
Application temperature	Between +5 °C and +35 °C
Mixture ratio	5,5-6 L water/25 kg powder
Using period:	max Max. 60 minutes
Workable period	30 minutes
Application thickness	2 mm
Consumption	Approximately 2,2 - 2,5 kg/m² (for 2 mm thickness)

Performance details	
Dry Film Thickness	E <sub>3</sub>
Particle Size Grade	S <sub>4</sub>
Water Vapor Transmission Rate	V <sub>2</sub>
Water Transmission Rate	W <sub>1</sub>
Crack Covering Feature	A <sub>0</sub>
CO2 Permeability	C <sub>0</sub>
Temperature resistance	Between -30°C and +60°C

Note: The application features have been determined in consequence of the tests conducted in laboratory environment (23 ± 2 °C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients.

### Reference standards

TS 7847

G mark

Ministry of Public Works Pos. No: 04.476/A

General Information	
Physical form	White, powder
Shelf life	See storage conditions
Packaging	25 kg kraft bag Pallet: 64 pieces of 1600 kg in total

Application features	
Application temperature	Between +5 °C and +35 °C
Mixture ratio	5,5-6 L water/25 kg powder
Using period:	max Max. 60 minutes
Workable period	30 minutes
Application thickness	2 mm
Consumption	Approximately 2,2 - 2,5 kg/m² (for 2 mm thickness)

Performance details	
Dry Film Thickness	E <sub>3</sub>
Particle Size Grade	S <sub>3</sub>
Water Vapor Transmission Rate	V <sub>1</sub>
Water Transmission Rate	W <sub>1</sub>
Crack Covering Feature	A <sub>0</sub>
CO2 Permeability	C <sub>0</sub>
Temperature resistance	Between -30°C and +60°C

Note: The application features have been determined in consequence of the tests conducted in laboratory environment (23 ± 2 °C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients.

### Reference standards

TS 7847

G mark

Ministry of Public Works Pos. No: 04.476/A



Arkim ARDEKOMIN LINE PATTERNED 7444



**Description**  
Cement based decorative mineral plaster

**Application Field**  
- It is used on the surface sheathing system, and on thin plastered and smooth rough plastered surfaces. It is used as decorative coating on internal and external wall plasters.

**Application Features**  
- Use time max. 1 hour  
- Working time max. 30 minutes  
- Application thickness 2 mm

**Surface Preparation**  
- The surfaces where ARKIM ARDEKOMIN LINE PATTERNED will be applied must be free from residues that will prevent adhesion such as dust, dirt, oil, etc.  
- If there are defects on the application surface, they are corrected with ARKIM ARREPAIR THIN or ARKIM ARREPAIR THICK.  
- It is necessary to make sure that the surface has been cured and robust.  
- If the application surface is porous, it must be wetted.

- It is necessary to make sure that the application surface is robust, self-supporting and level.  
- The surface must be moistened or primed with ARKIM ARASTAR if necessary before application.

**Application Conditions**  
- Ambient temperature must be between +5°C and + 35°C.  
- Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours.  
- Do not apply on surfaces under direct sun or strong wind, or on hot surfaces.

**Warnings and Recommendations**  
- Strictly avoid adding foreign substances.  
- After the application, all tools used must be washed with water before letting them dry.

**Application Tools**  
Hand mixer, steel trowel, plastic trowel

**Application**  
- The container in which the mortar shall be prepared must be clean and free from the residues of the previous mixture.  
- It is necessary to pay attention to cleanliness of the

water and tools used.  
- The mortar must be prepared at the rate of 25 kg ARKIM ARDEKOMIN LINE PATTERNED to 5,5-6 liters of water.  
- First put water into the container and then slowly add powder. Mix it until there are no lumps.  
- A low speed mixer must be used to make the mixture homogeneous.  
- After obtaining a homogeneous mixture, let it rest for 5-10 minutes. Mix it again for 1-2 minutes before application.  
- Once the mixture becomes homogeneous, never add powder, water or other substances.  
- The mortar is applied to the surface with a steel trowel at the filling size and the surface is textured with a plastic trowel by circular movements.  
- The mortar must be consumed within 3 hours.  
- It must be applied at once on the surfaces which are connected to each other.  
- It cannot be left on the surface as the top coat building material. It must definitely be painted after drying.  
- It must not be applied in cases where the temperature may fall below +5°C within 24 hours following the application.

- Extremely hot surfaces must be moistened before application.  
- Paper tape must be used to prevent the joints from appearing on wide surfaces and at work breaks, or a sufficient amount of applicator must be used to ensure wet application on wet without interruption and before the material dries.  
- The material must not be used on horizontal surfaces exposed to rain.  
- The expired or crusted mortar in the container must be discarded.  
- After application, hands and application tools must be washed with plenty of water.

**Storage conditions**  
- It is necessary to take care not to put more than 10 Kraft bags on top of each other in storage.  
- This product must be stored in dry indoor areas away from direct sunlight.  
- Bags must be stored so as not to contact with the ground in order them to be protected against humid.  
- Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

ARSELANS SILITECH 6130



**Definition**  
Silicone acrylic copolymer emulsion based, mattappearing, finishing facade paint

**Area of application**  
- It is used on concrete, exposed concrete, cement-based plasters, gas concrete, betopan, mineral-based surfaces, brick, prefabricated construction elements, dirty surfaces with faded emulsion-based old paints.

**Application features**  
- Initial dry time: 1 - 2 hours  
- Second coat application: 6 – 8 hours  
Final dry time: 24 hours

**Surface preparation**  
- The surfaces on which ARSELANS SILITECH will be applied must be cleared of dust, dirt, oil, etc. that prevent adherence.  
- Any irregularities on the application surfaces,

if any, are repaired with paste or cement-based surface repair materials (ARKIM ARREPAIR THIN and ARKIM ARREPAIR THICK).  
- It is necessary to make sure that the surface has been cured and robust.  
- The surface must be dampened or lined with ARKIM ARASTAR before the application if necessary.

**Application conditions**  
- Ambient temperature should be between +5 °C and +30 °C  
- Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours.

**Warnings and advices**  
- Strictly avoid adding foreign substances.  
- After the application, all tools used must be washed with water before letting them dry.  
- Do not apply on horizontal surfaces or surfaces inclined less than 45 degrees.

It is necessary to wait 4 weeks before application on newly plastered surfaces.

**Application tools**  
Facade roller, brush

**Thinning**  
Spray application: Applied in single coat by adding 5% water.  
Pressure: 140 bar  
Nozzle angle: 50 degrees  
Brush and roller application: Applied in two coats by adding 10% to 15% clean water.  
Nozzle size: 0.019 – 0.021 inches  
- After the application, all tools used must be washed with water before letting them dry.  
- Do not apply on horizontal surfaces or surfaces inclined less than 45 degrees.  
It is necessary to wait 4 weeks before application on newly plastered surfaces.

**Application tools**  
Facade roller, brush

**Thinning**  
Spray application: Applied in single coat by adding 5% water.  
Pressure: 140 bar  
Nozzle angle: 50 degrees  
Brush and roller application: Applied in two coats by adding 10% to 15% clean water.  
Nozzle size: 0.019 – 0.021 inches  
Brush and roller application: Applied in two coats by adding 10% to 15% clean water.

**Application**  
- The application surfaces must be robust, clean, dry and self-supporting.  
- It is necessary to wait until the end of the setting period for the newly plastered surfaces (28 days)  
- Prior to applying the paint, the surface is lined with ARSELANS ARASTAR, thus strengthening the adherence and decreasing the paint consumption.  
- It is necessary to wait for 6 – 8 hours between the lining each coat of paint.  
- After the application, all tools used must be washed with water.

**Storage conditions**  
- Can be stored for 24 months in its original packaging in a dry and cool ambient with an ambient temperature between 5 and 30°C. Must be protected against sun and frost. Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

General Information	
Physical form:	White, powder
Shelf life:	See storage conditions
Packaging:	25 kg kraft bag
Pallet:	64 pieces of 1600 kg in total
Application features	
Application temperature	Between +5°C and +35°C
Mixture ratio	5,5 - 6 L water/25 kg powder
Using period: max	5 Hours
Workable period	30 minutes
Application thickness	2 mm
Consumption Approximately	2,5 - 3 kg/m² (for 2 mm thickness)

Performance details	
Dry Film Thickness	E5
Particle Size Grade	S4
Water Vapor Transmission Rate	V2
Water Transmission Rate	W1
Crack Covering Feature	A0
CO2 Permeability	C0
Temperature resistance	Between -300C and +600C

Note: The application features have been determined in consequence of the tests conducted in laboratory environment (23± 2°C and %50 ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients.

Reference standards

TS 7847  
G mark  
Ministry of Public Works Pos. No: 04476/A

Physical form	32 different color variations, powder (See. Construction Chemicals sealant swatch catalog)
Shelf life	See storage conditions
Packaging	10-20 kg plastic bucket
In crate:	27 pieces, 540 Kg
Application features	
Application temperature	Between +5 °C and +35 °C
Thinning;	Spray application 5% water
Thinning;	Brush and roller application %10 - %15 water
Initial dry time	1 - 2 hours
Second coat application	6 - 8 hours
Final dry time	24 hours
Consumption	7-10 m² can be paid in single coat with 1 L
depending on the type, absorbing power and structure of the surface	

Performance details	
Brightness	G <sub>3</sub>
Dry Film Thickness	E <sub>3</sub>
Particle Size Grade	S <sub>4</sub>
Water Vapor Transmission Rate	V <sub>2</sub>
Water Transmission Rate	W <sub>3</sub>
Crack Covering Feature	A <sub>0</sub>
CO2 Permeability	C <sub>0</sub>
Peeling Strength (KgF)	≥ 2,5
Temperature resistance Between	-30°C and +60°C

**Note:** The application features have been determined in consequence of the tests conducted in laboratory environment (23 ± 2°C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients.

Reference standards

TS 7847  
G mark  
Ministry of Public Works Pos. No: 27.560/7 – 25.048/13

ARSELANS AKRİTECH 6120



Definition

Acrylic copolymer emulsion based, mattappearing, finishing facade paint

Area of application

- It is used on concrete, exposed concrete, cement-based plasters, gas concrete, betopan, mineral-based surfaces, brick, prefabricated construction elements, dirty surfaces with faded emulsion-based old paints.

Application features

-Initial dry time: 1 - 2 hours  
-Second coat application: 6 – 8 hours  
Final dry time: 24 hours

Surface preparation

-The surfaces on which ARSELANS AKRITECH will be applied must be cleared of dust, dirt, oil, etc. that prevent adherence.

-Any irregularities on the application surfaces, if any, are repaired with paste or cement-based surface repair materials (ARKİM ARREPAIR THIN and ARKİM ARREPAIR THICK).

-It is necessary to make sure that the surface has been cured and robust.

-The surface must be dampened or lined with ARKİM ARASTAR before the application if necessary.

Application conditions

-Ambient temperature should be between +5 °C and +30 °C  
-Do not apply on frozen, melting surfaces, or surfaces likely to freeze wit hin 24 hours.  
-Do not apply on surfaces under direct sun or strong wind, or hot surfaces.

Warnings and advices

-Strictly avoid adding foreign substances.

-After the application, all tools used must be washed with water before letting them dry.

-Do not apply on horizontal surfaces or surfaces inclined less than 45 degrees.  
It is necessary to wait 4 weeks before application on newly plastered surfaces.

Application tools

Facade roller, brush  
Thinning  
Spray application: Applied in single coat by adding 5% water.  
Pressure: 140 bar  
Nozzle angle: 50 degrees  
Nozzle size: 0.019 – 0.021 inches  
Brush and roller application: Applied in two coats by adding 10% to 15% clean water

Application

-The application surfaces must be robust, clean,

dry and self-supporting.

-It is necessary to wait until the end of the setting period for the newly plastered surfaces (28 days)  
-Prior to applying the paint, the surface is lined with ARSELANS ARASTAR, thus strengthening the adherence and decreasing the paint consumption.

-It is necessary to wait for 6 – 8 hours between the lining each coat of paint.

-After the application, all tools used must be washed with water.

Storage conditions

- Can be stored for 24 months in its original packaging in a dry and cool ambient with an ambient temperature between 5 and 30 °C. Must be protected against sun and frost. Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.



Definition

Acrylic emulsion and water based, rammed, interior and exterior wall primer.

Area of application

-It is used for enhancing adherence and reducing the consumption of mill-mixed finish plaster or exterior wall coatings, in highly absorbent interior and exterior wall surfaces of buildings; and applied onto cement-based plaster, mineral surfaces such as concrete, and cement sheet, and old painted surfaces under decorative plasters and exterior wall coatings.

Application features

-Dry time: 6 hours  
-Waiting period after application: 24 hours  
-Density: 1.75 g/cm³  
-Thinner: water

Surface preparation

-Surfaces must be dry, clean, solid, and freed from released particles before the application.  
-Layers such as oil, grease, dirt, paint, grout, corrosion, mold oil, salt efflorescence, etc. that will reduce the adherence must be cleared before the application. The surface must be roughened

by sandblasting and grinding in places where it is deemed necessary, and in old synthetic based surfaces.

-Surfaces where water or salt efflorescence from the negative side are observed shouldn't be applied.

-Surfaces must be flat, and must not contain any hole, break, segregation, mold failure, crack, and dust. Such failures must be corrected by using repair mortar containing ARKİM ARREPAIR THIN

- ARKİM ARREPAIR THICK and ARKİM ARLATEX before the application.  
-New mineral surfaces must be left at least 28 days in order them to be cured before the application.

-All water isolation measures regarding water must have been taken in the building

Application conditions

-Ambient temperature should be between +5 °C and +35 °C -Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours.  
-Do not apply on surfaces under direct sun or strong wind, or hot surfaces

Warnings and advices

-Strictly avoid adding foreign substances. -After the application, all tools used must be washed with

water before letting them dry.

- Mix the product at brief intervals during application.  
-Do not apply this product on surfaces that have not set yet

Application tools

Hand mixer, plastic roller of 25

Application

-Mix ARSELANS ARASTAR thoroughly before the application.  
-ARKİM ARASTAR must be applied on the surface by using brush, roller or spraying system after being thinned with water at a ratio of 1/1 by volume, and mixed thoroughly.  
-ARSELANS ARASTAR must be thinned at a ratio of 1/2 - 1/3 by volume while applying under semigloss paints on plaster board or mastic applied surfaces.  
-The last coating material must be applied 6 hours after applying ARSELANS ARASTAR.  
-Wash the application tools immediately after the application.  
-The ambient temperature and the application surface temperature must be minimum +5°C

throughout the application and 24 hours following the application, and the surface must be protected against rain.  
-Excessively hot surfaces must be moisturized before the application.  
-The material must not be used on horizontal surfaces exposed to rain.

Storage conditions

-Can be stored for 12 months in its original packaging in a dry and cool ambient with an ambient temperature between 5°C and +35°C. Must be protected against sun and frost. Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

General information	
Physical form	32 different color variations, powder (See. Construction Chemicals sealant swatch catalog)
Shelf life	See storage conditions
Packaging	10-20 kg plastic bucket
In crate:	27 pieces, 540 kg

Application features	
Application temperature	Between +5 °C and +35 °C
Thinning;	Spray application 5% water
Thinning;	Brush and roller application %10 - %15 water
Initial dry time	1 - 2 hours
Second coat application	6 - 8 hours
Final dry time	24 hours
Consumption	7-10 m² can be paid in single coat with 1 L

depending on the type, absorbing power and structure of the surface

Performance details	
Brightness	G <sub>3</sub>
Dry Film Thickness	E <sub>3</sub>
Particle Size Grade	S <sub>1</sub>
Water Vapor Transmission Rate	V <sub>2</sub>
Water Transmission Rate	W <sub>3</sub>
Crack Covering Feature	A <sub>0</sub>
CO2 Permeability	C <sub>0</sub>
Peeling Strength (KgF)	≥ 25
Temperature resistance Between	-30°C and +60°C

**Note:** The application features have been determined in consequence of the tests conducted in laboratory environment (23 ± 2 °C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients.

Reference standards
TS 7847
G mark
Ministry of Public Works Pos. No: 27.560/7 – 25.048/13

ARSELANS ARASTAR 5311

General Information	
Physical form	White, liquid component
Shelf life	See storage conditions
Packaging	10-20 kg plastic bucket.
Application features	
Temperature Between	+5 °C and +35 °C
Mixture ratio	%20 diluted water
Dry time	6 hours
Waiting period after application	2 hours
Thinner Water Consumption Approximately	150-250 g/m²
Performance details	
Relative density	1,75 g/cm³
Note: The application features have been determined in consequence of the tests conducted in laboratory environment (23 ± 2 °C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients.	



## Placement of Artherm Sub-Basement Profile - Profile S

The appropriate subbasement is selected according to thickness of the selected thermal insulating board. The selected profile is fixed 20 cm below the floor level of the first storey by using the special dowel. If the surface is slanted, the profile is leveled by using the sub-basement wedge. Correct positioning of the profile is important for sound and balanced placement of the boards.

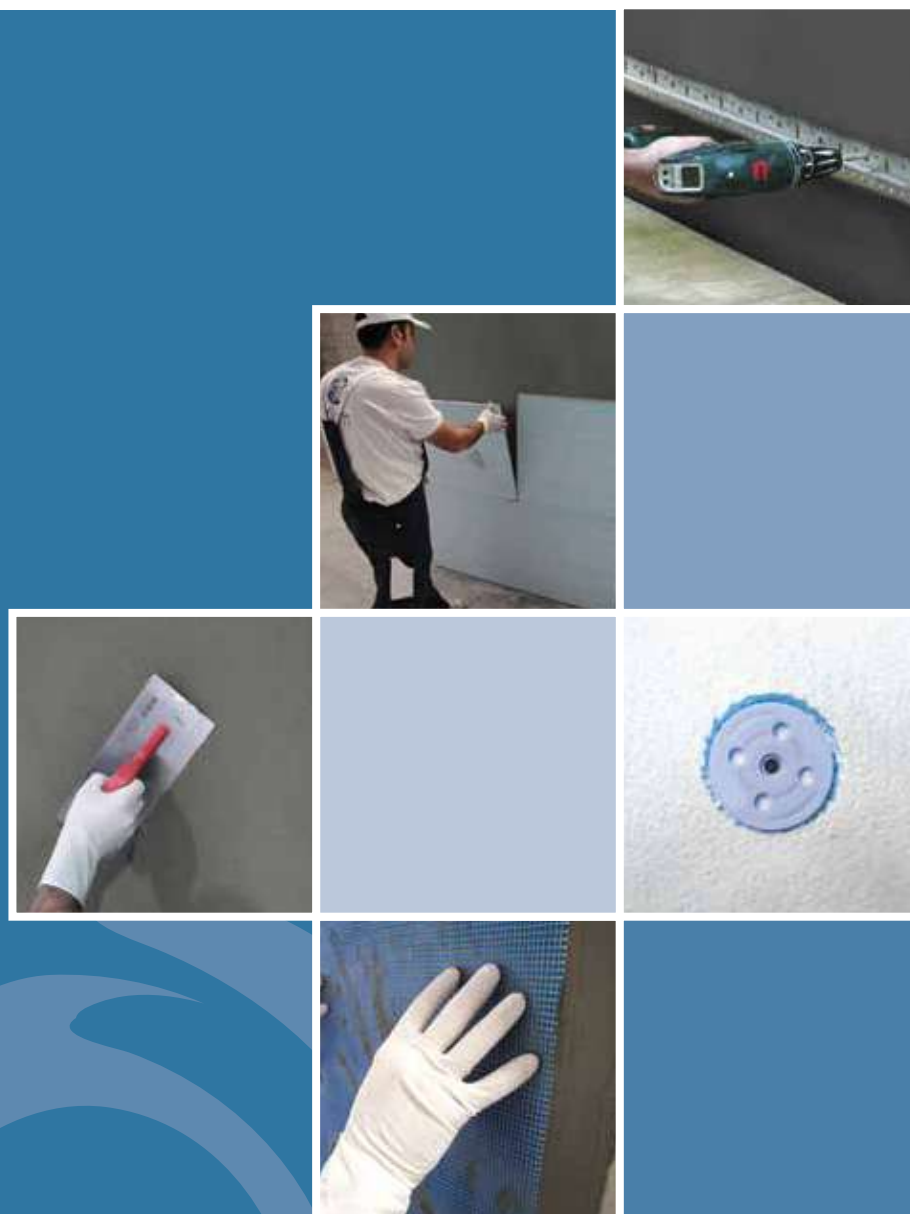


The Sub-Basement Profile is balanced with plastic wedges, mounted with special dowel, and made ready for placement of the boards.

## Bonding of Thermal Insulating Boards

### Artherm AD Adhesive Mortar Application of Arplast Lf to Thermal Insulating Board

After slant of the surface, if any, is corrected with Arrepair, the boards are affixed to the surface with Artherm ad. After slant of the surface, if any, is corrected with Arrepair, the boards are affixed to the surface with Artherm ad.



### Point Bonding



In point bonding method, mortar is applied on the middle point of the board. Then, adhesive is applied on the edges of the board in the form of a strip.

### Sticking with Notched Trowel



When you will make application on smooth surfaces, spread the mortar on the back of the board equally with a notched trowel. Take care to prevent the mortar from exceeding the edges after the notching.



## Placement of Artherm Thermal Insulating Boards

The thermal insulating boards are applied in zigzag order without gap starting from the lower part of the wall. There must be no gap between the boards. The edges of the boards exceeding the surface must be trimmed after the adhesive dries.

While placing the thermal insulating boards, it is necessary to pay attention to gaps, such as windows, etc. It is necessary to be careful as such sections are risky in terms of cracking. In the zigzag order, only the full and half boards must be used at the corners. Parts smaller than half must not be used at the corners in the zigzag order.



## Doweling of Artherm Thermal Insulating Boards

The purpose of doweling is to fix the system mechanically. In general, the number of dowels to be used is calculated as 6 dowels/m<sup>2</sup>. The ideal number of dowels must be determined on the basis of the building height and the environmental conditions. The most preferred method to place the dowels is to place them in the middle and all joints of the thermal insulating board. Dowels must be applied after making sure that the adhesive is sufficiently dry. This period is usually 24 hours at 20°C. The dowels applied must be flush with the surface. The type of dowels to be used must be selected on basis of the floor type. It is necessary to pay attention to drive the nails of dowels fully.



## Creating the Building Corners

The facade corners are the regions with the highest cracking risk and exposed to hardest mechanical stresses, and thus, it is necessary to use corner profiles. The profiles with built-in mesh minimizes workmanship flaws and also provides saving.

While applying the profiles with built-in mesh, a thin layer of adhesive as wide as the corner profile is applied, the profile is placed on it, and the fiber mesh is applied on the profile.





## Application of Plaster and Fiber Mesh

The plaster can be applied 24 hours after the thermal insulating boards have been applied. The thickness of the surface plaster must be 3 mm approximately. The fiber meshes must be placed on the first layer of plaster, which has not dried yet, by lightly pressing downwards. The mesh must be close to the surface to prevent plaster cracks. The fiber mesh is applied overlapping each other by 10 cm at joints. The second layer of plaster must be applied 3-4 hours later.

## Finishing Coat Application

The sheathing application must absolutely be finished with minimum 1-1.5 mm thick finishing coat. The decorative coating must be applied after the second layer of plaster has dried completely. In the sheathing application, the solvent-based products must not be used as finishing coat.



## Creation of Drip Molds in Projections

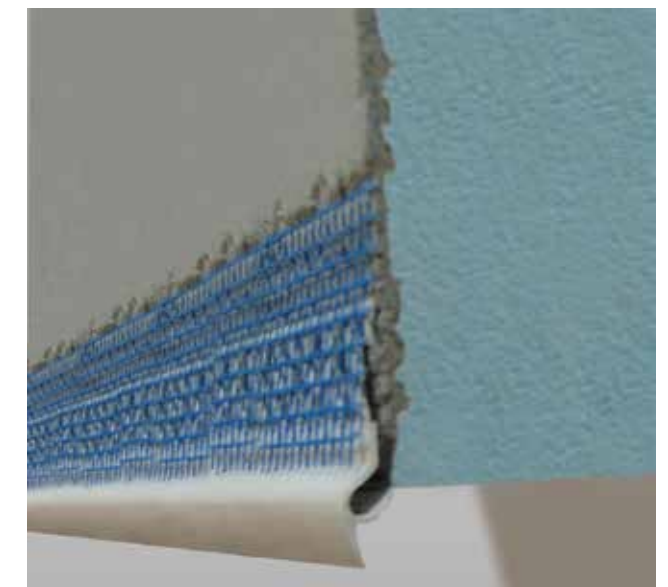
Smooth finishes are obtained by using drip mold profiles at projections to protect the facade against water. The corner profiles with drip molds are fixed at the corners, and the fiber mesh is placed on them. It is necessary to pay attention that the profile is level during the placement.



The drip mold profiles are placed into the first layer plaster at projections to protect the facade against water. If drip mold profiles with mesh are used, the profile mesh and the fiber mesh are overlapped each other by 10 cm.



If just the aluminum profile is used, the mesh overlaps the aluminum profile.



The drip mold detail is completed by applying the second coat of Arplast If.

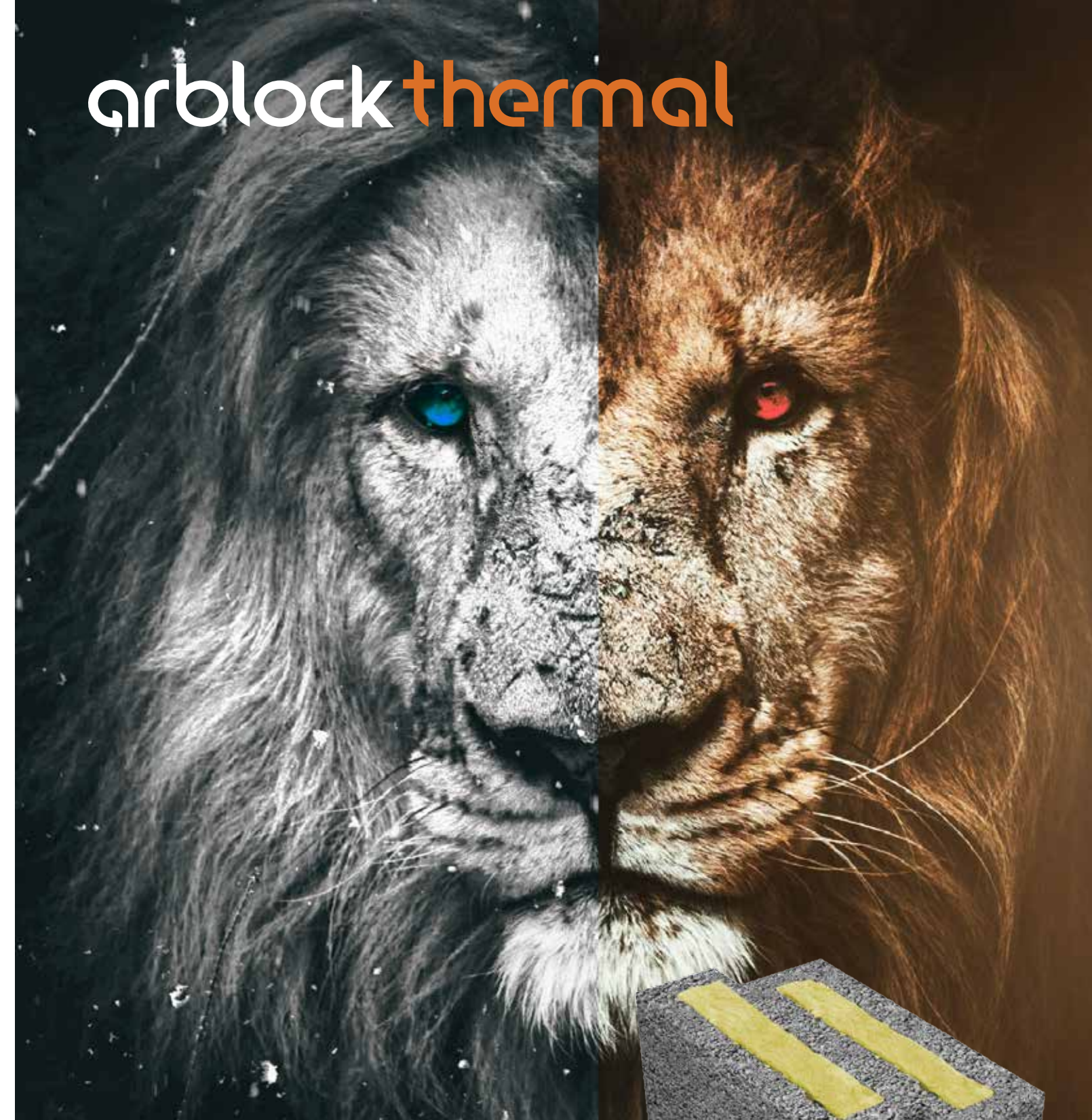


## Creation of Decorative Finishing Coat with Ardekomin

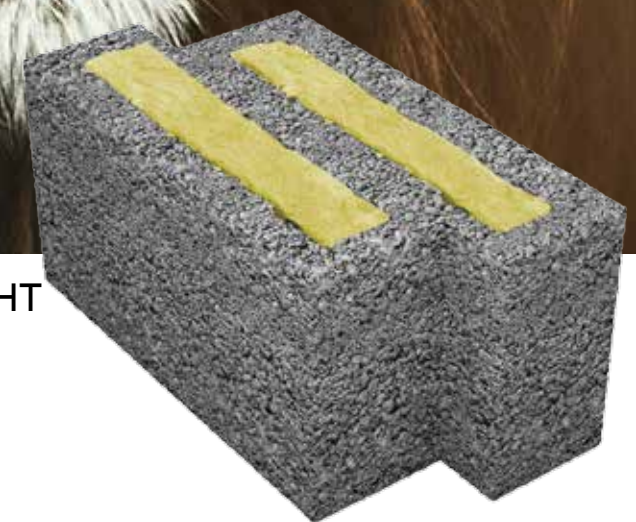
If the finishing coat will be applied with Ardekomin, then ARASTAR is not applied. After the application of Ardekomin, ARASTAR is applied before painting. Mineral or acrylic plaster is spread over the surface with trowel. The surface is textured with a plastic trowel before the plaster dries.



If the finishing coat will be applied with Ardekomin, then ARASTAR is not applied. After the application of Ardekomin, ARASTAR is applied before painting.



## ROCK WOOL THERMAL INSULATION LIGHT CONSTRUCTION ELEMENT

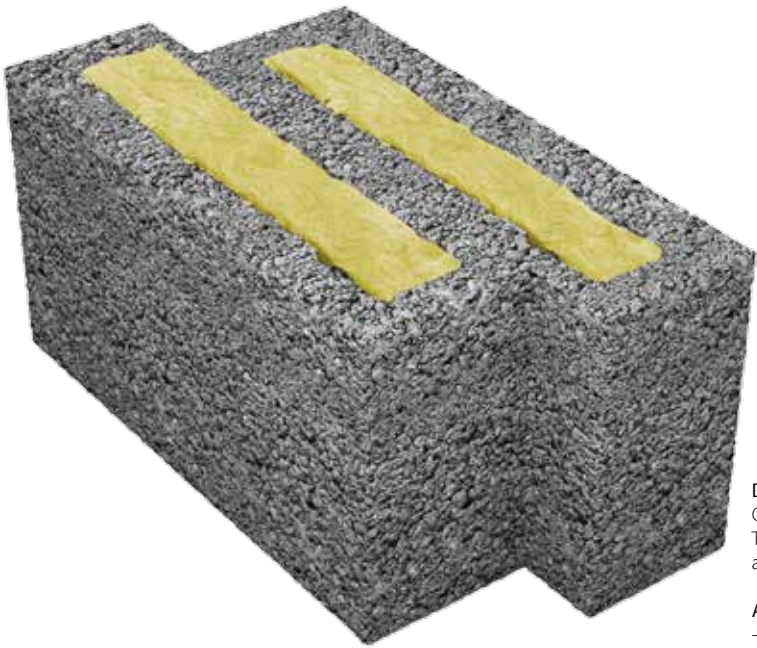


After using Arblock Thermal, no need for extra insulation.





ARBLOCKTHERMAL

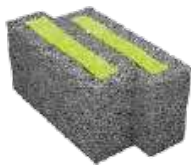


**Description:**  
Cement-based, high-adhesive Arblock Thermal Plaster with enhanced bonding adherence

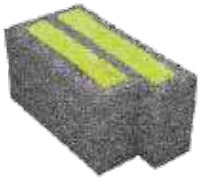
**Application;**  
-The container in which the mortar will be prepared must be clean and cleared of the remnants of the previous mixture.- Attention should be paid to the cleanliness of the water and materials used. - The mortar should be prepared at the rate of 15 kg of Arblock Plaster Mortar to 6-6.5 liters of water. - First, water is poured into the container, and then the powder is gradually sieved. It is mixed until a homogeneous mixture is obtained. - A low speed mixer should be used to make the mixture homogeneous. - After obtaining a homogeneous mixture, it is rested for 5-10 minutes for the mortar to mature. - It should be mixed again for 1-2 minutes before starting the application. - After the mixture becomes homogeneous, no powder, water or any other substance should be added. - The mortar is applied to the application surface

with a steel trowel and plaster shovel. - After 5-10 minutes, the surface finish process is done. - When the plaster does not move when touched with a finger, smoothing is done with a trowel. - Approximately 30 minutes after the smoothing process, the surface is slightly wetted and the sponge clover is made and the process is finished. - In terms of the durability of the plaster, the surfaces should be watered at regular intervals depending on the ambient conditions within 7 days after the application. - The prepared mortar should be consumed within 2 hours. - Expired or crusted mortar in the container should be discarded. - After application, hands and application tools should be washed with plenty of water.

**Consumption;**  
- Approx. 10-12kg/m<sup>2</sup> (for 10 mm thickness)



Adblock / 195 mm  
Z Block 90 mm Rockwool  
Filled 195x330x185



Adblock / 195 mm  
Full Corner Block 90  
mm Rockwool Filled  
195x330x185



Arblock / 195mm Half Corner  
Block 90mm Rockwool Filled  
195x165x185



Arblock / 195mm Half Corner  
Block Unfilled  
195x165x185

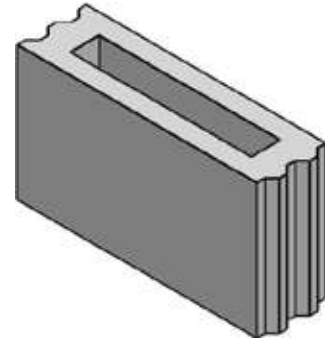
Arblock / 195mm

U Value only for walls	0,349 W/m <sup>2</sup> .K
Plastered wall U-value (Internal 2 cm gypsum plaster, external 25 cm thermal plaster)	0,30 W/m <sup>2</sup> .K
Lambda Value of Wall	0,072 W/m.K
Fire Reaction	A1
fire resistance	120 Dk
Water vapor permeability Wet Cup μ k	66
Water vapor permeability Dry Cup μ	172
Unit Volume mass	390 Kg/m <sup>3</sup>
Result of TSE Laboratory Plastered wall airborne sound insulation	(Rw=44,5 (-1;-4) Db
Compressive strength	0,6 Mpa



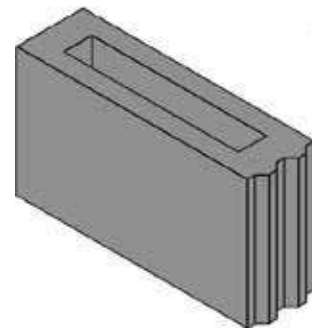
## ARBLOCKTHERMAL

## Arblock / 95mm Series

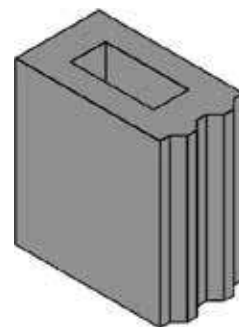


Arblock / 95mm Serisi  
Arblock 95mm Bloc

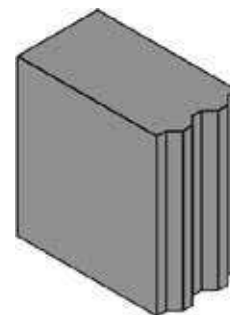
$U: 0,80 \text{ w/m}^2\text{K}$   
 $\lambda: 0,088 \text{ w/mK}$



Adblock / 95 mm Full Corner  
40mm Rockwool Filled



Arblock / 95mm  
Half Corner Block  
40mm Rockwool Filled

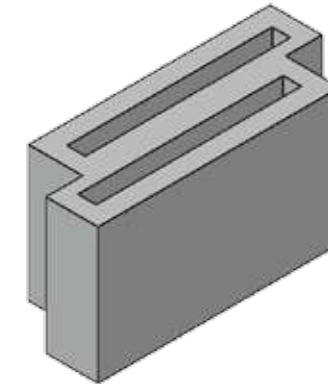
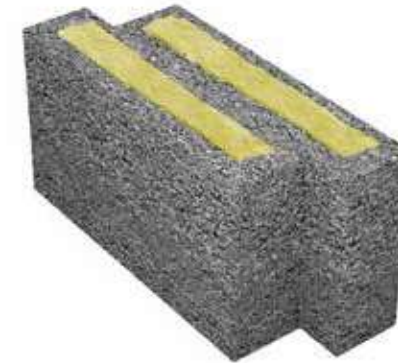


Arblock / 95  
Half Corner without rockwool

\* 95mm is the Detailed View of the Product.

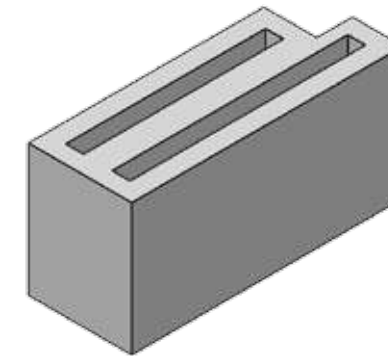
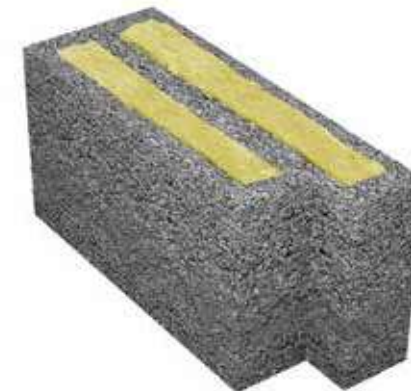
## ARBLOCKTHERMAL

## Arblock / 145mm Series

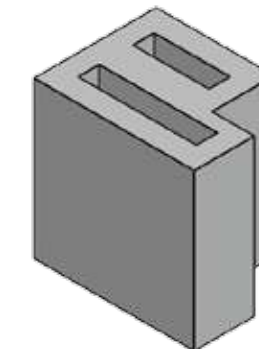
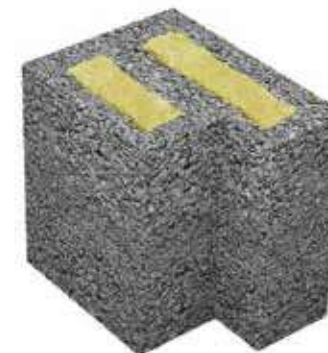


Arblock / 145mm  
Z Block 50mm Rockwool  
Filled  
145x330x185

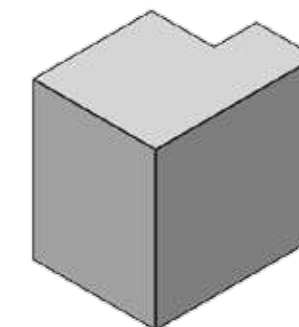
$U: 0,487 \text{ w/m}^2\text{K}$   
 $\lambda: 0,076 \text{ w/mK}$



Adblock / 145mm  
Full Corner 50mm  
Rockwool Filled  
145x330x185



Arblock / 145mm  
Half Corner Block  
50mm Without Rockwool  
145x165x185



Arblock / 145mm  
Half Corner Block  
50mm Without Rockwool  
145x165x185



## ARBLOCKTHERMAL

## Arblock / 245mm Serisi

245x330x185



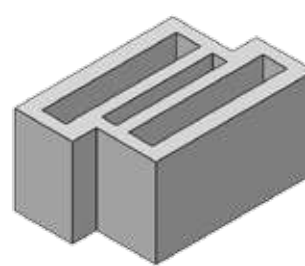
U: 0,317w/m<sup>2</sup>K  
λ : 0,082w/mK

Z Block 130mm Rockwool  
Filled



U: 0,41w/m<sup>2</sup>K  
λ : 0,11w/mK

100mm Rockwool Filled



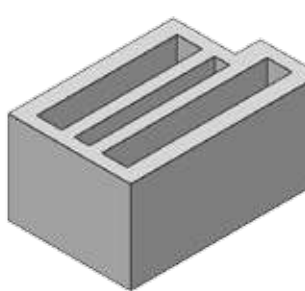
245x330x185



Full Corner Block 130mm  
Rockwool Filled



100mm Rockwool Filled



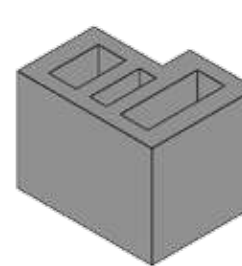
245x165x185



Half Corner Block 130mm  
Rockwool Filled



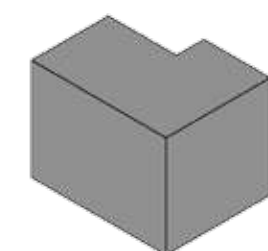
100mm Rockwool Filled



245x165x185



Arblock / 245mm  
Half Corner Block  
Unfilled



## ARBLOCKTHERMAL

## Arblock / 295mm Series

295x330x185



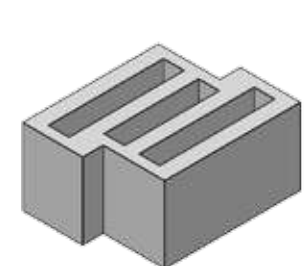
U: 0,222 w/m<sup>2</sup>K  
λ : 0,068 w/mK

Z Block 150mm Rockwool  
Filled



U: 0,35 w/m<sup>2</sup>K  
λ : 0,11w/mK

100mm Rockwool Filled



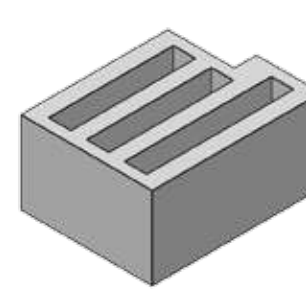
290x330x185



Full Corner Block 150mm  
Rockwool Filled



100mm Rockwool Filled



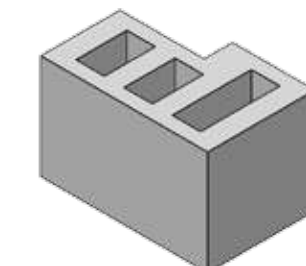
290x165x185



Half Corner Block 150mm  
Rockwool Filled



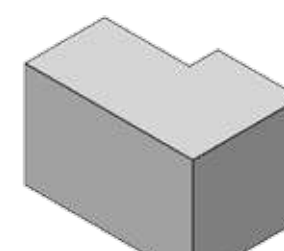
100mm Rockwool Filled



290x165x185



Arblock / 245mm  
Half Corner Block  
Unfilled



**ARBLOCKTHERMAL****Arblock BC**

Arblock BC is a light yellow insulation element designed to prevent thermal bridges that weaken the thermal insulation. Not only for columns and beams, it can also be used in areas such as roofs, terraces and garages. Due to its alternative dimensions and light weight, it provides fast and easy application. Thus, it saves time and labor. Arblock BC, which also has A1 (non-inflammable material) class fire insulation feature, allows you to solve heat,

sound and fire insulation with maximum performance in a single material. The rockwool used in Arblock BC does not hold water due to its hydrophobic feature.

The rockwool used in Arblock BC does not hold water, thanks to its hydrophobic feature.

**Application;**

When it comes to columns and beams in Arblock application, the area to be applied should be free of dust, dirt and oil. Then Arblock BC should be applied with Arblock Adhesive. It is necessary to use a 5 millimeter notched trowel during the application. In addition, six dowels should be applied per square meter, one of which is steel dowels. A minimum of 5 (at least 2 steel) dowels should be used per square meter. Dimensions: 40x50cm and 30x60 cm. Production is carried out in efficient quantities in desired measurement.

Consult for other dimensions.

444 27 56 info@arslanli.tc

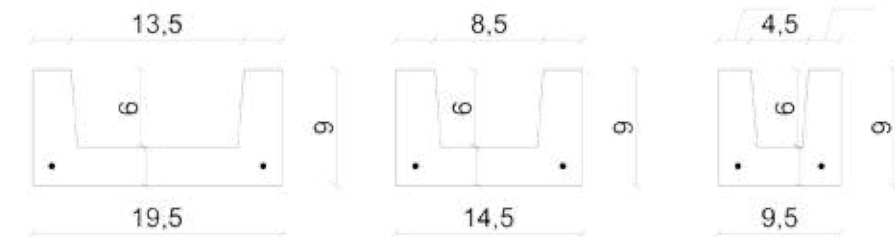
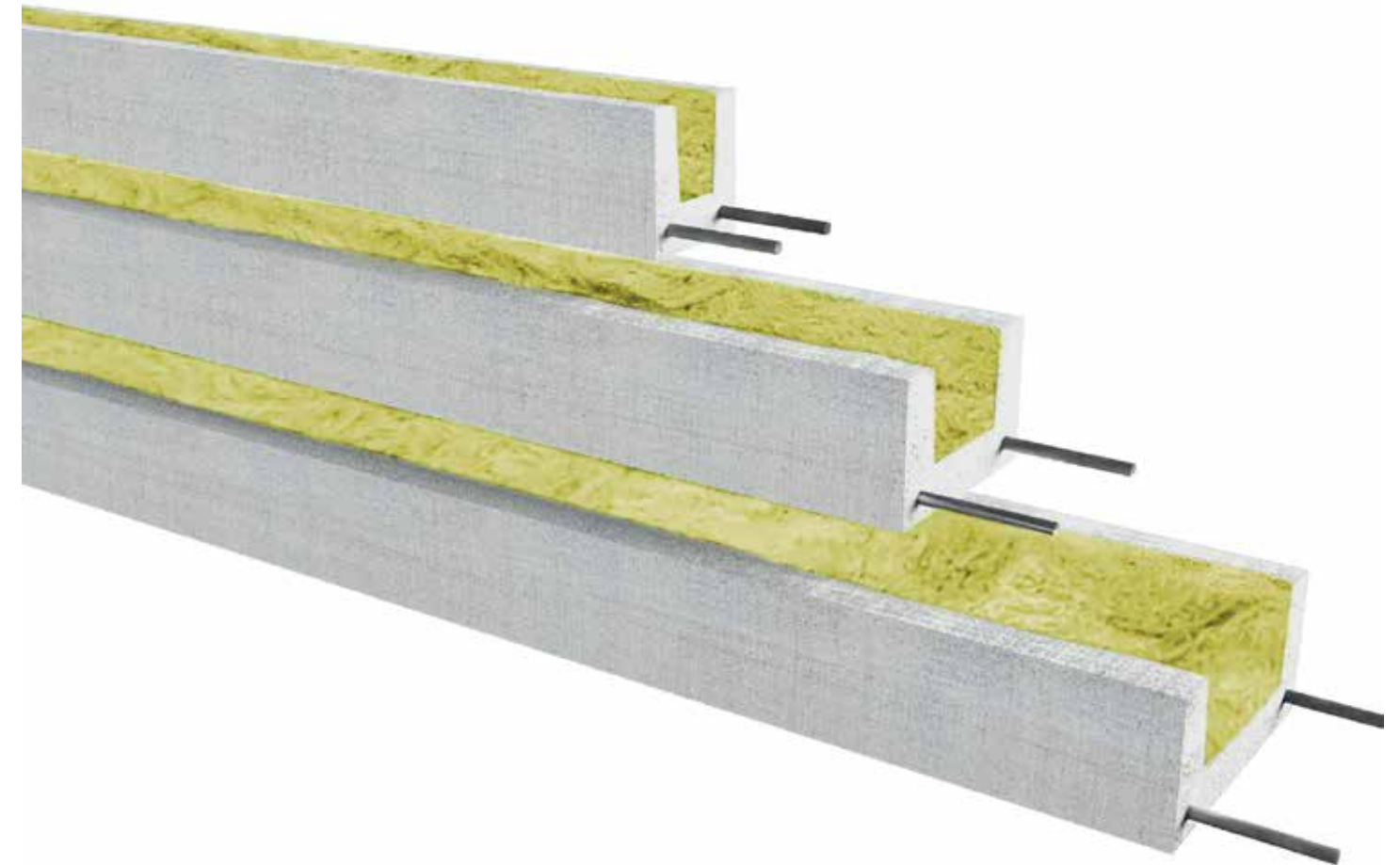
**ARBLOCKTHERMAL****Arblock Lento**

The most important point in exterior thermal insulation is that, the insulation is homogeneously designed. The material that disrupts this homogeneity in exterior insulation is generally the lintel.

Arblock Lento prevents this situation thanks to its rockwool filling. It offers a better insulation with a homogeneous distribution. We are able to manufacture in efficient quantities in special sizes. Please consult.

**Lento Length Options**

120cm - 140cm - 180cm - 240 cm Rockwool produced for Arblock does not hold water in its structure due to its hydrophobic structure.







arkim

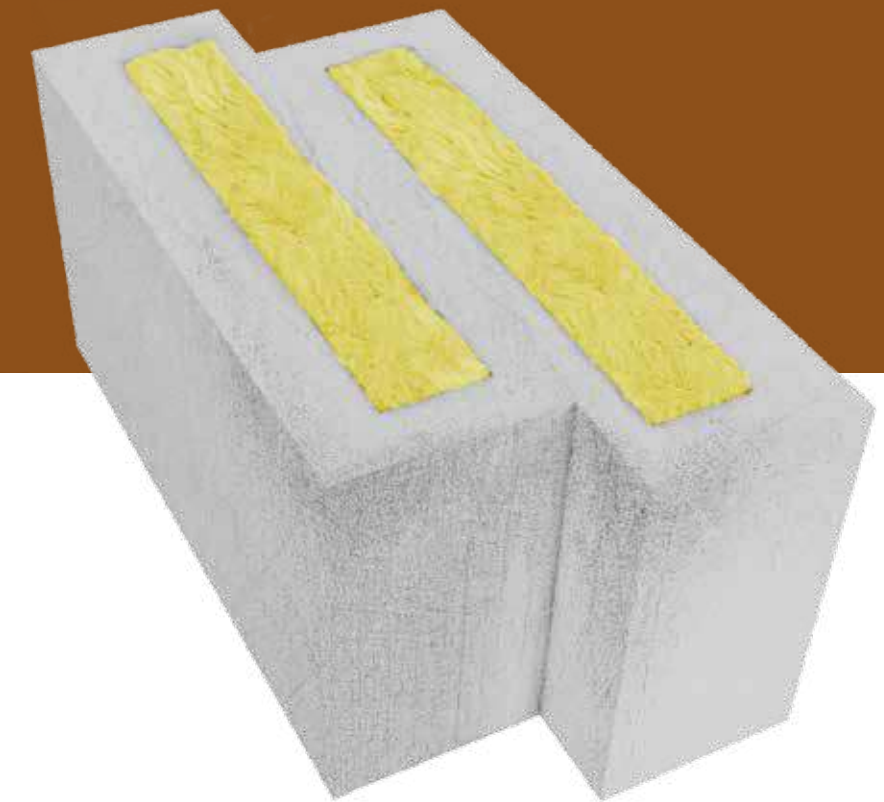
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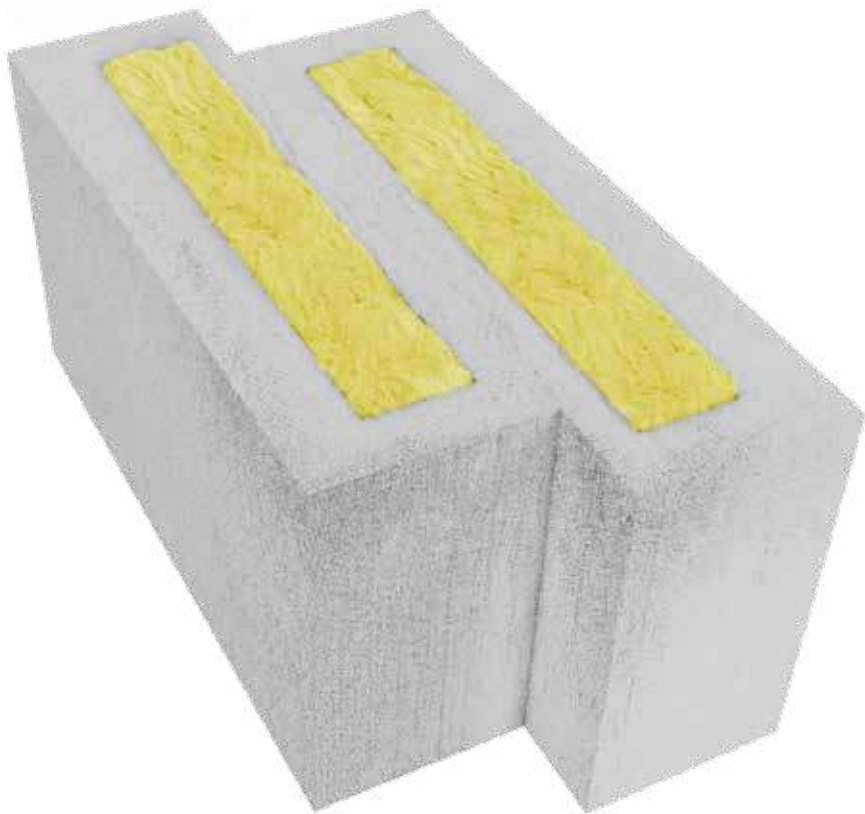
[www.arslanli.tc](http://www.arslanli.tc)

arblockses



Arblock Sound  
SOUND INSULATED LIGHT  
CONSTRUCTION ELEMENT

ARBLOCK SOUND



**Description:**  
Arblock Sound provides superior sound insulation while eliminating sound insulation problems in buildings with minimum thickness. It combines different types of materials layer by layer and minimizes application deficiencies. Ideal for adjacent walls in residences, adjacent kitchens and bathrooms, neighboring bedrooms, operas, movie theater walls, hotel rooms, technical rooms, concert halls, wedding hall walls, studio walls, shafts with loud noise, walls in industrial areas, all places where sound is a problem offers a solution. Thanks to its cuttability, it allows homogeneous wall formation. It also provides A1 class fire insulation. Due to its vapor permeability, it provides a healthy environment inside. Due to the lintel corner block and solid blocks, it provides speed, efficiency and homogeneity in application. With a single product in a single layer, it allows you to plan sound insulation in thinner thicknesses in accordance with regulations and to gain architectural space. Rockwool produced for Arblock does not hold water in its structure, due to its hydrophobic structure.



Soundblock / 195mm  
Z Block 90mm Rockwool  
Filled  
195x330x185



Soundblock / 195mm  
Full Corner 90mm  
Rockwool Filled  
195x330x185



Soundblock / 195mm  
Half Corner Block 90mm  
Rockwool filled  
195x165x185



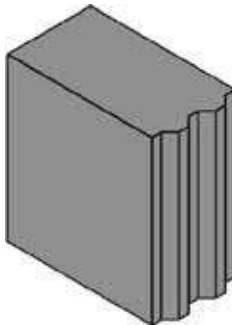
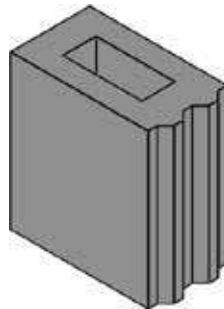
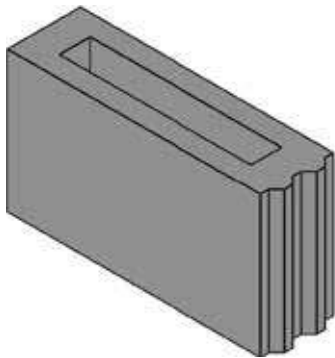
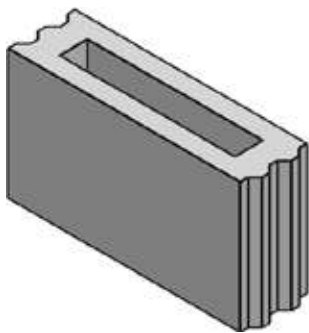
Soundblock / 195mm  
Half Corner Block Unfilled  
195x165x185

Arblock Sound / 195mm

U value only for walls	1,12 W/m²K
Plastered wall U-value (Internal 2 cm gypsum plaster, external 2.5 cm thermal plaster)	0,70 W/m²K
Lambda value walls	0,269 W/m.K
Fire Reaction	A1
Fire resistance	120 Dk
Water vapor permeability Wet Cup μ	14,3
Water vapor permeability Dry Cup μ	31,3
Unit Volume mass	860 Kg/m³
Plastered wall airborne sound insulation	(Rw=53,-1,-3) Db
BLX Accredited Laboratory Result and Turkak Approval	
Plastered wall + double-sided plasterboard	(Rw=64,-1,-3) Db
BLX Accredited Laboratory Result and Turkak Approval	
Compressive Strength	>3,2 Mpa

ARBLOCK SOUND

ArblockSound / 95mm Series



ArblockSes / 95 mm Block  
40 mm Rockwool Filled

ArblockSes / 95 mm Full Corner  
40mm Rockwool Filled

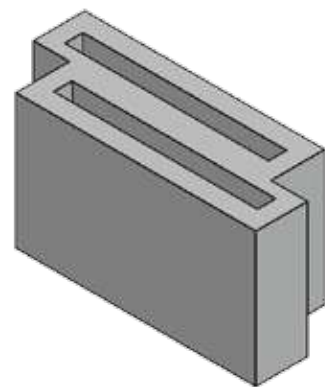
Sesblock / 95 mm  
Half Block 40mm Rockwool  
Filled

Sesblock / 95 mm  
Half Block Without Rockwool



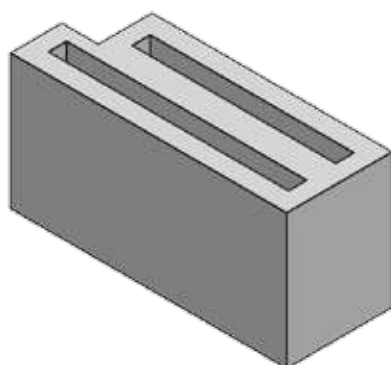
## ARBLOCK SOUND

## ArblockSound / 145mm Series

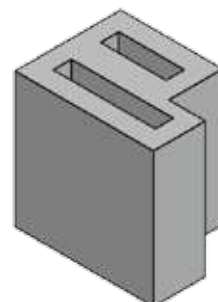


U: 0,98 w/m<sup>2</sup>K  
λ : 0,182w/mK

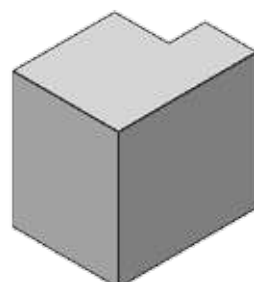
ArblockSound /145mm  
Z Block 50mm  
Rockwool Filled  
145x330x185



ArblockSound/ 145mm  
Full Corner 50mm  
Rockwool Filled  
145x330x185



ArblockSound/ 145 mm  
Half Block 50mm  
Rockwool Filled  
145x165x185

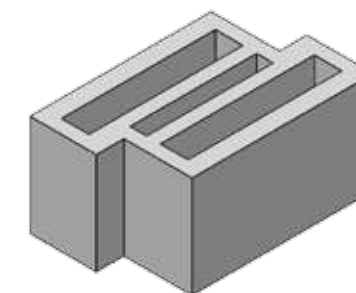


ArblockSound/ 145 mm  
Half Block 50mm  
Unfilled  
145x165x185

## ARBLOCK SOUND

## ArblockSound / 245mm Series

245x330x185

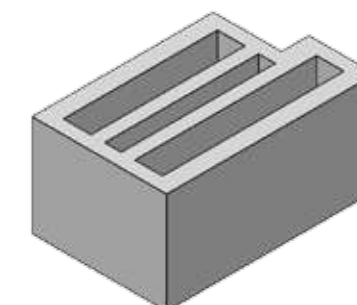


U: 0,67 w/m<sup>2</sup>K  
λ : 0,185w/mK

Z Block 245mm Rockwool  
Filled

100mm  
Rockwool Filled

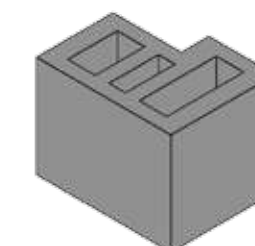
245x330x185



Full Corner Block 245 mm  
Rockwool Filled

100mm  
Rockwool Filled

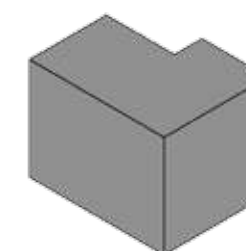
245x165x185



Half Block 245 mm  
Rockwool Filled

100mm  
Rockwool Filled

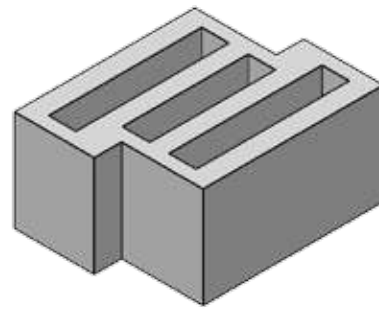
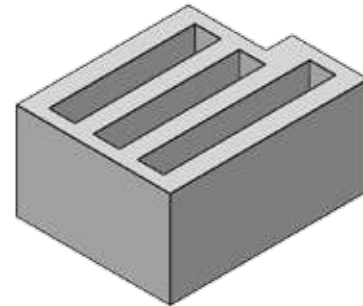
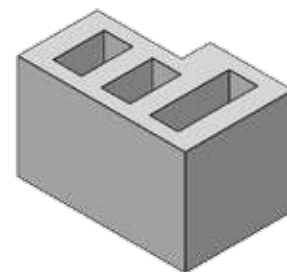
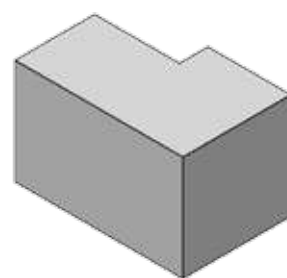
245x165x185



ArblockSound / 245mm  
Half Corner Block Unfilled

**ARBLOCK SOUND****ArblockSound / 295mm Series****295x330x185**

U: 0,56w/m²K

 $\lambda$  : 0,181w/mK**Z Block 130mm Rockwool Filled****100mm Rockwool Filled****290x330x185****Full Corner 130mm Rockwool Filled****100mm Rockwool Filled****Half Block 130mm Unfilled****100mm Rockwool Filled****290x165x185****ArblockSound/ 245 mm Half Block Unfilled****ARBLOCK SOUND****ArblockSound BC**

Arblock BC is used for thermal bridges that weaken the thermal insulation.

light and yellow, designed to prevent

It is an insulating element.

Apart from columns and beams, roof, terrace and garage

It can also be used in fields such as Alternative sizes

Fast and easy application thanks to its light weight

Thus, saving time and labor provides.

A1 (non-combustible material) class fire insulation

Arblock BC, which also has the feature of heat, sound and fire

maximum performance in a single material

Lets you solve it with

The rockwool used in Arblock BC does not hold water, thanks to its hydrophobic feature.

**Application;**

When it comes to columns and beams in Arblock application, the area to be applied should be free of dust, dirt and oil. Then Arblock BC should be applied with Arblock Adhesive. Care should be taken to use a 5 millimeter notched trowel during the application. In addition, six dowels per square meter, one of which is steel dowels. should be done. A minimum of 5 (at least 2 steel) dowels should be used per square meter.

Dimensions: 40x50cm and 30x60 cm.

Production is carried out in efficient quantities in desired dimensions. Consult for other dimensions.

444 27 56 info@arslanli.tc



ARBLOCK SOUND

Arblock Lento

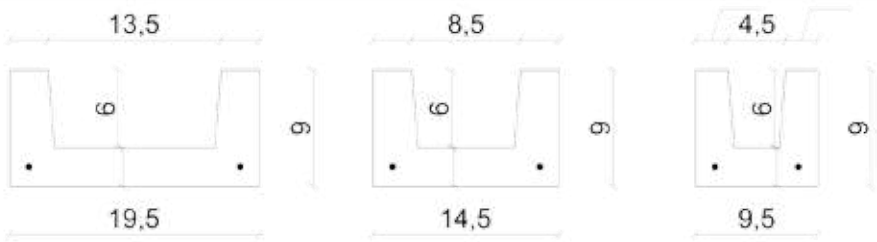
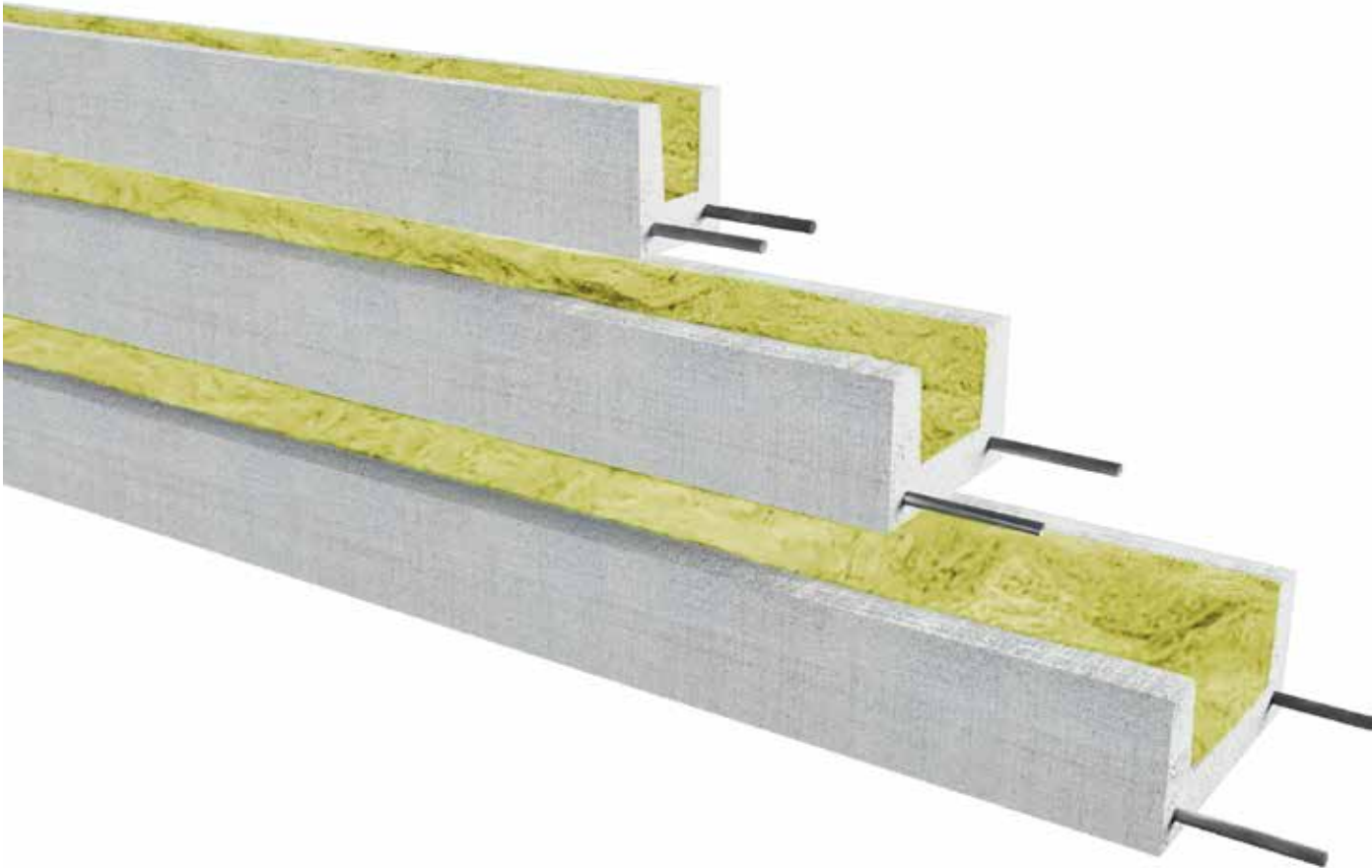
The most important point in exterior thermal insulation is that the insulation is homogeneously designed. The material that disrupts this homogeneity in exterior insulation is generally the lintel. Arblock Lento prevents this situation thanks to its rockwool filling. It offers a better insulation with a homogeneous distribution.

We are able to manufacture in efficient quantities in special sizes. Please consult.

Lento Length Options

120cm - 140cm - 180cm - 240cm

Rockwool produced for Arblock does not hold water in its body thanks to its hydrophobic structure.



Arkim ARBLOCK WALLBLOCK 1322



Definition

- It is a cement-based, masonry mortar with high adhesiveness, strengthened to bond surfaces with performance-enhancing chemicals.

Area of Application

It is used in brick, briquette, pumice and stone masonry

Application features :

Contains chemical additives that increase product performance and workability. It has high adhesion strength.  
- Easy to prepare and easy to apply.  
- It saves time and labor.

Surface Preparation

- The surfaces on which Arkim Arblock Wallblock will be applied must be free of residues such as dust, dirt, oil, etc. that will prevent adhesion.  
- If necessary, the application surface should be moistened with water.  
- In order to correct the irregularities on the

floor, the first row should be knitted with classical mortar by bringing it to the scale. There is no need to do this for knitting other rows.  
The container in which the mortar will be prepared must be clean and cleared of the remnants of the previous mixture  
- It is necessary to pay attention to cleanliness of the water and materials used.  
- The mortar must be prepared by using 4,75-5,25 liters of water and 25 kg of Arkim Arblock Wallblock.  
- Firstly, water is poured into the container, and then the powder is added slowly; they are mixed until a homogeneous mixture is obtained.  
- A low speed mixer must be used to obtain a homogeneous mixture.  
- After a homogeneous mixture has been obtained, the mortar is left to mature for 5-10 minutes.  
- Before starting the application, the mixture must be remixed for 1-2 minutes.

- After the mixture has become homogeneous, never add powder, water or another material. The adhesive should be spread over the entire surface and applied in the same thickness by combing with a 10 x 10 x 10 mm comb. While bonding, pay attention to leave a maximum of 3 mm wide joints horizontally and vertically, and it should be ensured that the joints are completely filled with adhesive.  
- The prepared mortar must be consumed within 5 hours.  
- The caked mortar in the container or the mortar the using period of which is over must be discharged.  
- Wash your hands and

Application tools

with plenty of water after the application.

Warnings and advices :

Attention should be paid to the water / powder ratio of the mixture. Otherwise,

deterioration of this ratio may cause spills and low strength. It should not be applied in very hot, dry and windy environments otherwise, spills and loss of strength may occur. Attention should be paid to product storage conditions. Products should not be stored in humid and very hot environments.  
- It should never be used when there are situations such as petrification in the bag.  
- Since it contains cement, its dust should not be inhaled. It should not come into contact with skin and eyes. In case of contact, wash with plenty of water. protective equipment such as masks and gloves should be used during work.

Storage Conditions

It is necessary to take care not to put more than 10 Kraft bags on top of each other in storage.  
- This product must be stored in dry indoor areas away from direct sunlight.  
- Bags must be stored so as not to contact with the ground in order them to be protected against humid.  
- Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

General information

Physical form	Gray-white, powder
Shelf life	See storage conditions
Packaging	25 kg kraft bag
Application features	
Application temperature	Between +5° C and +35° C
Mixture ratio	4,75-5,25 L water/25 kg powder
Using period max.	5 hours
Workable period(floors) min.	50 minutes
Readjusting period(floors) min.	30 minutes
Consumption	See Notched Trowel Size and Consumption Table.

Performance Information

Processing time	≥ 50 min
Compressive Strength: M5 water absorption	≥2,5kg/m2.dk0,5
Water vapor permeability	15/20
Compressive Strength :	M5 Dry
Bulk Density of Hardened Mortar	1500±200 kg/m³
Aggregate Maximum Grain Size	≤2mm
Fixable Time	≥ 4 dk fire
Class	A1
Hazardous substances :	None
Note: The application properties are provided as a result of experiments carried out in a laboratory environment (23 ± 2 °C and 50% ± 5% humidity and no air flow) and may vary according to different ambient conditions. Performance information has been tested in the environments specified in accordance with the relevant standard of the product, and results may differ in different environments.	
Reference Standards	
TS EN 998-2: GP	
CE	
Ministry of Public Works Pos. No: 04.478	





ARBLOCK WALLBLOCK Consumption table

	Width (mm)	Length(mm)	Height (mm)	Consumption(kg/m²)
ArblockThermal Insulated Block	145	330	185	13
	195	330	185	17
	245	330	185	21
	295	330	185	22
Concrete Briquette	190	240	235	20
Bims Briquette	190	390	195	20
Bims Briquette	150	390	185	17
Bims Briquette	190	390	185	21



Arkim ARREPAIR THICK 5122



Definition

Cement-based, polymer and fiber reinforced thick repair and leveling mortar, contributes to heat and sound insulation.

Area of application

-It is suitable for filling large cracks on the surfaces such as exposed concrete, prefabricated concrete, gas concrete, briquette, brick, repairing of peeled, dented, broken, cutoff surfaces up to 5-30 mm, and for plaster repairs.  
-It is used to obtain a smooth surface before painting, ceramic coating and insulation applications during the building renovation works

Application features

Using period: Max. 6 hours  
-Workable period: Max. 60 minutes  
-Application thickness: 10-30mm  
-Applicable layer thickness: Max. 10 mm  
-Time to wait between layers: Min. 1 day

Surface preparation

-The surfaces on which ARKIM ARREPAIRTHICK will be applied must be cleared of dust, dirt, oil, etc. that prevent adherence.

-The surface must be cleared of loose particles with low adherence.  
-It is necessary to make sure that the surface has been cured and robust.  
-The surface must be moistened before the application.

Application conditions

Ambient temperature should be between +5°C and +35°C -Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours.  
-Do not apply on surfaces under direct sun or strong wind, or hot surfaces.

Warnings and advices

-Strictly avoid adding foreign substances.  
-After the application, all tools used must be washed with water before letting them dry. After the application, the surface must be moistened for 2-3 days.

Application tools

Hand mixer, steel trowel, smoothing trowel, steel wire brush

Application

-The container in which the mortar will be prepared must be clean and cleared of the remnants of the previous mixture.  
-It is necessary to pay attention to cleanliness of the water and materials used.  
-The mortar must be prepared by using 5,5-6 liters of water and 25 kg of ARKIM ARREPAIRTHICK.  
-Firstly, water is poured into the container, and then the powder is added slowly. It is mixed until no lump appears.  
-A low speed mixer must be used to obtain a homogeneous mixture.  
-After a homogeneous mixture has been obtained, it is let to settle for 5-10 minutes. Before starting the application, the mixture is remixed for 1-2 minutes.  
-After the mixture has become homogeneous, never add powder, water or another material.  
-The mortar must be filled into the cutoff, cracked, broken regions on the floor by applying pressure with steel trowel, and the surface must be coated.  
-In order to equalize the level of the coated surface, the last application must be performed uninterruptedly in one go so that the total thickness will not exceed 30 mm.  
-The surface must be smoothed with damp

sponge.  
-After the application, the surface must be moistened at regular intervals for 24 hours.  
-The prepared mortar must be consumed within 60 minutes.  
-The caked mortar in the container or the mortar the using period of which is over must be discharged.  
-Wash your hands and application tools with plenty of water after the application.

Storage conditions

-It is necessary to take care not to put more than 10 Kraft bags on top of each other in storage. -This product must be stored in dry indoor areas away from direct sunlight.  
-Bags must be stored so as not to contact with the ground in order them to be protected against humid.  
-Under such conditions, the product can be stored for 12 months as of the production date.  
-Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

General Information

Physical form	Gray, powder
Shelf life	See storage conditions
Packaging 2	5 kg kraft bag Pallet: 64 pieces of 1600 kg in total

Application features

Application temperature Between	+5° C and +35°C
Mixture ratio	5,5-6 L water/25 kg powder
Using period Max.	6 hours
Workable period Min.	60 minutes
Application thickness	10 - 30 mm
Applicable layer thickness Max.	10 mm
Time to wait between layers	24 hours

Performance details

Compressive strength	≥ 10 N/mm²
Adhesive strength	≥ 0,8 N/mm²
Capillary water absorption	≥ 0,5 kg/m2.dk0,5
Thermal compatibility:Freeze-thaw Crack gen.	≤ 0,05mm
Thermal compatibility:Thermal shock Crack gen.	≤ 0,05mm
Thermal compatibility: Dry cycling Crack gen.	≤ 0,05mm
Temperature resistance Between	-30°C and +60°C

Note: The application features have been determined in consequence of the tests conducted in laboratory environment (23 ± 20 C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients.

Reference standards

TS EN 1504-3 / Class: R1  
Ministry of Public Works Pos. No: 04.613/32





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## 13 | NIVAKIM | Thermal Insulation Systems

Nivakim NİVAFİX

Nivakim NİVAFİX PLUS

Nivakim NİVAFİX FLEX

Nivakim NİVAFİLL

Nivakim NİVAPLAST LF

Nivakim SATIN

Nivakim NİVATHERM AD

Nivakim NİVADEKOMİN THICK

Nivakim NİVADEKOMİN THIN

Nivakim NİVADEKOMİN LINE PATTERNED

Nivatherm EPS WHITE

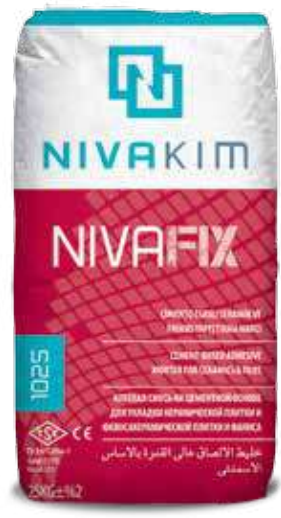
Nivatherm EPS CARBON

NİTRON FİX 50





## Nivakim NIVAFIX 1025-1030



### Definition

Cement-based, normal hardening, ceramic adhesive mortar

### Area of application

-It is used in indoor and outdoor horizontal and vertical applications of the coating materials such as small and medium-sized floor and wall ceramics, tiles, natural stone and glass mosaic, travertine, decorative furring bricks on the surfaces like concrete, plaster, screed especially in wet areas such as bathroom and kitchen.  
-It is used to stick tiles to tiles or ceramics to ceramics.

### Application features

-Using period: Max. 5 hours  
-Workable period: Max. 20 minutes  
-Readjusting period: Max. 15 minutes  
-Time to apply joint: 24 hours for walls, 48 hours for floors

### Surface preparation

-NIVAKIM NIVAFIX application surfaces must be cleared of dust, dirt, oil, etc. that prevent adherence.  
-Any irregularities on the application surfaces, if any, are repaired with NIVAKIM ARREPAIRTHIN or ARKIM ARREPAIRTHICK.

-It is necessary to make sure that the surface has been cured and robust.  
-If they are porous, the application surfaces must be dampened.  
-It is necessary to make sure that the application surface is robust, self-supporting and level.

### Application conditions

-Ambient temperature should be between +5 °C and +35°C  
-Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours.  
-Do not apply on surfaces under direct sun or strong wind, or hot surfaces.  
-It is necessary to pay attention to film formation on the surface of ARKIM ARFIX during application; in case of film formation, ARKIM ARFIX must be notched again.

### Warnings and advices

-Strictly avoid adding foreign substances.  
-After the application, all tools used must be washed with water before letting them dry.  
Application tools  
Hand mixer, trowel, rubber hammer, notched steel trowel

### Application

-The container in which the mortar will be prepared must be clean and cleared of the remnants of the previous mixture.  
-It is necessary to pay attention to cleanliness of the water and materials used.  
-The mortar must be prepared by using 5,75-6,25 liters of water and 25 kg of NIVAKIM NIVAFIX.  
-Firstly, water is poured into the container, and then the powder is added slowly; they are mixed until a homogeneous mixture is obtained.  
-A low speed mixer must be used to obtain a homogeneous mixture.  
-After a homogeneous mixture has been obtained, the mortar is left to mature for 5-10 minutes.  
-Before starting the application, the mixture must be remixed for 1-2 minutes.  
-After the mixture has become homogeneous, never add powder, water or another material.  
-In order to obtain a better adherence surface, after the mortar has been spread on the surface with the flat side of the trowel, it must be notched with the notched side of the trowel selected to the tile dimensions (See Notch Size and Consumption Table).  
-The tiles must be fixed to the notched mortar by applying force with rubber hammer within 20 minutes. This period may be shorter for the applications carried out under inappropriate conditions such as high temperature, low

humidity, wind, etc.

-Nothing must be fixed to the mortar the using time of which is over, and the mortar must be scraped off the surface.  
-The prepared mortar must be consumed within 5 hours.  
-The caked mortar in the container or the mortar the using period of which is over must be discharged.  
-Wash your hands and application tools with plenty of water after the application.  
-Protect the tiles affixed with ARKIM ARFIX against direct water contact for no less than 24 hours.

### Storage conditions

-It is necessary to take care not to put more than 10 Kraft bags on top of each other in storage.  
-This product must be stored in dry indoor areas away from direct sunlight.  
-Bags must be stored so as not to contact with the ground in order them to be protected against humid.  
-Under such conditions, the product can be stored for 12 months as of the production date.  
-Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

## Nivakim NIVAFIX PLUS 1010-1020



### Description

Cement based, high performance ceramic adhesive mortar with reduced slip and prolonged working time.

### Field of Application

- Indoor and outdoor small and medium sized floor and wall ceramics, tiles, natural stone glass mosaic, travertine, decorative facing bricks, horizontal and vertical coating materials, wet areas such as bathrooms and kitchens, surfaces such as concrete, plaster, screed used in the application.  
-It is used for bonding tiles on tiles or ceramics on ceramics.

### Application Features

-Using period max. 5 hours  
-Working time min. 30 minutes  
-Fix time max. 15 minutes  
-Time required for grouting, 24 hours on the wall, 48 hours on the floor

### Surface Preparation

-The surfaces on which NIVAKIM NIVAFIX PLUS will be applied must be free of dust, dirt, oil, etc. It should be cleared of residues that will prevent sticking, such as  
-If there are defects on the application surface, they are corrected with ARKIM ARREPAIRTHIN or ARKIM ARREPAIRTHICK.  
-Care should be taken to ensure that the surface

is cured and solid. - If the application surfaces are porous, they should be wetted. - Care should be taken to ensure that the applied surface is on a solid carrier and also in balance.

### Application Conditions

-Ambient temperature between +5°C and +35°C,  
-It should not be applied on surfaces that are frozen, melting or there is a danger of frost within 24 hours.  
-It should not be applied under direct sun, strong wind or on hot surfaces.  
-During the application, it should be noted that NIVAKIM NIVAFIX PLUS forms a film on its surface; if it does, it should be re-carded.

### Warnings and Suggestions

-Strictly no foreign substances should be added.  
-After the application, all the tools used should be washed with water before they dry.

### Application Tools

Hand mixer, trowel, rubber hammer, toothed steel trowel

### Application

-The container in which the mortar will be prepared must be clean and free from the residues of the previous mixture. Attention should be paid to the cleanliness of the water and materials used.

-The mortar should be prepared at the rate of 25 kg NIVAKIM NIVAFIX PLUS to 7.5-8.5 liters of water.  
-Water is first poured into the container, and then the powder is gradually sieved and mixed until a homogeneous mixture is obtained. -A low speed mixer should be used to make the mixture homogeneous.  
-After obtaining a homogeneous mixture, it is rested for 5-10 minutes for the mortar to mature.  
-It should be mixed again for 1-2 minutes before starting the application.  
-After the mixture becomes homogeneous, no powder, water or any other substance should be added.  
-In order to obtain a better adhesion surface, after the mortar is spread on the surface with the flat part of the trowel, it should be combed with the toothed part of the trowel selected in accordance with the tile size (See Joint Fillers Size and Consumption Table).  
-The tiles should be adhered by applying force with a rubber hammer on the notched mortar within 30 minutes. This period may be shortened in applications made under unsuitable ambient conditions such as high temperature, low humidity, and wind.  
-Adhesion should not be done on the expired mortar; the mortar should be scraped from the surface.  
-The prepared mortar should be consumed within 5 hours.

-Expired or crusted mortar in the container should be discarded.  
-After the application, hands and application tools should be washed with plenty of water.  
-Tiles adhered with NIVAKIM NIVAFIX PLUS should be avoided for at least 24 hours in direct contact with water.

### Storage Conditions

-Care should be taken to place a maximum of 10 layers of kraft bags on top of each other during storage.  
-Storage should be done indoors and in areas away from direct sunlight.  
-The bags should be stored in such a way that they do not touch the ground and be protected from moisture.  
-Under these conditions, the product can be stored for 12 months from the date of manufacture.  
-Improper storage conditions or exceeding the period of use may deteriorate the qualities of the product.

General information	
Physical form	Gray-white, powder
Shelf life	See storage conditions
Packaging	25 kg kraft bag 1 and 5 kg polyethylene bags Pallet: 64 pieces of 1600 kg in total
Application features	
Application temperature	Between +5 °C and +35 °C
Mixture ratio	5,75-6,25 L water/25 kg powder
Using period	Max. 5 hours
Workable period(floors) min.	20 minutes
Readjusting period(floors) min.	15 minutes
Time to apply joint	24 hours for walls - 48 hours for floors
Consumption	See Notched Trowel Size and Consumption Table
Performance details	
Tensile/adhesion strength after keeping open (20 min.)	≥0,5 N/mm²
Initial tensile/adhesion strength	≥0,5 N/mm²
Tensile/adhesion strength after water submersion	≥0,5 N/mm²
Tensile/adhesion strength after thermal aging	≥0,5 N/mm²
Tensile/adhesion strength after freeze-thaw cycles	≥0,5 N/mm²
Shift	≤ 0,5 mm
Temperature resistance	-30 °C to +70 °C
Note: The application features have been determined in consequence of the tests conducted in laboratory environment (23 ± 2°C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients.	
Reference standards	
TS EN 12004-1 / Class: C1TE (Cement-based, normal hardening, ceramic adhesive mortar)	
CE	
Ministry of Public Works Pos. No: 04.013/1	

General Information	
Appearance	Grey-White, Powder
Shelf Life	See: Storage Conditions
Packaging	In 5 kg Kraft Bag 64 pieces on Pallet, 1600 kg
Application Features	
Application Temperature	(+5 °C) to (+35 °C)
Mixing Ratio	7.5-8.5 L water/25 kg powder
Usage Time maximum	5 hours
Working Time (on the ground) minimum	30 minutes
Adjustment Time (on the ground) ) minimum	15 minutes C
ommissioning Time (time to open to traffic)	24 hours on the wall-48 hours on the ground
Consumption	See Card Size and Consumption Table
Performance Information	
Tensile Adhesion Strength After Opening (30 minutes)	≥0.5N/mm²
Initial Tensile Adhesion Strength	≥1N/mm²
After Immersion Tensile Adhesion Strength	≥1N/mm²
After Heat Aging Tensile Adhesion Strength	≥1N/mm²
After Freeze-Thaw Cycles Tensile Adhesion Strength	≥1N/mm² Slip ≤0.5mm
Temperature Resistance	-30 °C to +70 °C
Note: The application properties are provided as a result of experiments carried out in a laboratory environment (23±2°C and 50±5% relative humidity and no air flow) and may vary under different ambient conditions. The performance information has been tested in the environments specified by the product's standard, and the results may be observed differently in different environments, and the results may be observed differently in different environments.	
Reference Standards	
TS EN 12004-1	
Class C2TE Cement-based adhesive mortar with high performance, reduced slip and long working time. CE	
Public Works Pos No: 04013/1	



## Nivakim NİVAFİX FLEX 1035-1045



### Description

-One component, cement based, high performance, flexible, slip resistant, prolonged working time adhesive mortar.

### Area of application

It is used for safely adhering coating materials such as ceramic, granite, marble up to 30 m high to the exterior of buildings on surfaces such as concrete, plaster, screed. It should not be used for bonding coating materials larger than 60 cm x 60 cm up to 15 m high and 40 cm x 40 cm in size up to 30 m on exteriors. It is used in underfloor heating systems and ceramic coating on plasterboard. It is used for ceramic coating on old granite and marble. It is used in ceramic applications on difficult surfaces such as paint. It is used in terraces and balcony applications, in places with sudden temperature changes such as cold storages, freezing facilities, exteriors of ovens, underfloor heating systems. It is used in places such as workplaces, shopping malls, schools, hospitals, which are exposed to heavy foot traffic in all buildings

### Application features

-Usability time max. 5 hours  
-Working time max. 30 minutes  
-Fix time max. 20 minutes  
-Time required for grouting, 24 hours on the wall, 48 hours on the floor  
Surface preparation  
-The surfaces on which NIVAKIM NIVAFIX FLEX will be applied must be free from dust, dirt, oil, etc.

### General Information

Appearance	Grey-White, Powder
Shelf Life	See Storage Conditions
Packaging	In 25 kg Kraft Bag 64 pieces on Pallet, 1600 kg

### Application Features

Application Temperature	(+5 °C) to (+35 °C)
Mixing Ratio	9,25-9,75 L water/25 kg powder
maximum	5 hours
Working Time (on the ground) minimum	30 minutes
Fixability Time (on the ground) ) minimum	15 minutes
Commissioning Time (time to open to traffic)	24 hours on the wall-48 hours on the ground
Consumption	See Card Size and Consumption Table

### Performance Information

Tensile Adhesion Strength After Exposure(30 minutes)	≥0,5N/mm <sup>2</sup>
Initial Tensile Adhesion Strength	≥1N/mm <sup>2</sup>
After Immersion Tensile Adhesion Strength	≥1N/mm <sup>2</sup>
After Heat Aging Tensile Adhesion Strength	≥1N/mm <sup>2</sup>
After Freeze-Thaw Cycles Tensile Adhesion Strength	≥1N/mm <sup>2</sup>
Slip	≤0,5mm
Flexibility	≥2,5mm
Temperature Resistance	(-30 °C) to (+60 °C)

Note: Application specifications in laboratory environment (23±2°C and 50±5%) relative humidity and air flow) were obtained as a result of the experiments and may vary in different ambient conditions. The performance information has been tested in the environments specified by the product's standard, and the results may be observed differently in different environments.

### Reference standards

TS EN 12004-1/ Class: C2TES1(Single component, cement based, high performance, flexible, slip resistant, long working time adhesive mortar)

CE

Ministry of Public Works Pos. No: 04/013/1

It should be cleared of residues that will prevent sticking, such as  
- If there are defects on the application surface, they are corrected with ARKİM ARREPAIRTHIN or ARKİM ARREPAIRTHICK.  
- Care should be taken to ensure that the surface is cured and solid.

- If the application surfaces are porous, they should be wetted.  
- It is necessary to ensure that the applied surface is on a solid carrier and also in balance.

### Application conditions

-Ambient temperature between +5°C and +35°C,  
-It should not be applied on surfaces that are frozen, melting or there is a danger of frost within 24 hours.  
- It should not be applied under direct sun, strong wind or on hot surfaces.  
- Care should be taken to form a film on the surface of NIVAKIM NIVAFIX FLEX during application, if it does, re-carding should be done.

### Warnings and Suggestions

-Strictly no foreign substances should be added.  
-After the application, all the tools used should be washed with water before they dry.

### Application tools

Hand mixer, trowel, rubber hammer, toothed steel trowel

### Application

-The container in which the mortar will be

prepared must be clean and free from the residues of the previous mixture. Attention should be paid to the cleanliness of the water and materials used.

-The mortar should be prepared at the rate of 9,25-9,75 liters of water and 25 kg of NIVAKIM NIVAFIX FLEX.  
- Firstly, the liquid component is put into the container, and then the powder is gradually sieved and mixed until a homogeneous mixture is obtained.

-A low speed mixer should be used to make the mixture homogeneous.

-After obtaining a homogeneous mixture, it is rested for 5-10 minutes for the mortar to mature.  
-It should be mixed again for 1-2 minutes before starting the application. -

After the mixture becomes homogeneous, no powder, water or any other substance should be added.

-In order to obtain a better adhesion surface, after the mortar is spread on the surface with the flat part of the trowel, it should be combed with the toothed part of the trowel selected in accordance with the tile size (See Joint Fillers Size and Consumption Table).

-The tiles should be adhered by applying force with a rubber hammer on the notched mortar within 30 minutes. This period may be shortened in applications made under unsuitable ambient conditions such as high temperature, low humidity, and wind.

- Adhesion should not be done on the expired mortar, the mortar should be scraped from the surface.

-The prepared mortar should be consumed within 5 hours.  
-Expired or crusted mortar in the container should be discarded. -  
After the application, hands and application tools should be washed with plenty of water. -  
Tiles adhered with NIVAKIM NIVAFIX FLEX should be avoided for at least 24 hours in direct contact with water.

### Storage conditions

-It is necessary to take care not to put more than 10 Kraft bags on top of each other in storage.  
-This product must be stored in dry indoor areas away from direct sunlight.  
-Bags must be stored so as not to contact with the ground in order them to be protected against humid.  
-Under such conditions, the product can be stored for 12 months as of the production date.  
-Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

## Nivakim NİVAFİLL 1100



### Definition

Cement-based grouting plaster

### Area of application

-It is used to fill 0-6 mm joint gaps of the ceramic, tile, natural stone, granite, marble, etc. applied indoor and outdoor.  
-It gives perfect results in indoor horizontal and vertical applications.

### Application features

-Using period: Max. 1 hours  
-Hardening time: 12 hours  
-Time to open the floor to foot traffic: 24-48 hours  
-30 different color variations

### Surface preparation

-Joint filler application surfaces must be cleared of dust, dirt, oil, etc. that prevent adherence.  
-The application surface must not be too dry and bleed.  
-When highly absorbent coating materials are used or the application is made in hot and windy weathers, the joint gaps must be moisturized with clean water.  
-Since the application will be followed by

sudden water loss in case of too high ambient temperature, there can be collapse, roughening and cracking.

### Application conditions

-Ambient temperature should be between +5 °C and +35°C  
-Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours.  
-Do not apply on surfaces under direct sun or strong wind, or hot surfaces.

### Warnings and advices

-Strictly avoid adding foreign substances.  
-After the application, all tools used must be washed with water before letting them dry.

### Application tools

Hand mixer, trowel, rubber-tip trowel, sponge-tip trowel, squeegee, brush

### Application

-The container in which the mortar will be prepared must be clean and cleared of the remnants of the previous mixture.  
It is necessary pay attention to cleanliness of the water and materials used.  
-The mortar must be prepared by using

6,75-7,25 liters of water and 20 kg of NIVAKIM NIVAFILL .

-Firstly, water is poured into the container, and then the powder is added slowly. It is mixed until no lump appears.  
A low speed mixer must be used to obtain a homogeneous mixture.  
-After a homogeneous mixture has been obtained, it is let to settle for 4-5 minutes. Before starting the application, the mixture is remixed for 1-2 minutes.  
-After the mixture has become homogeneous, never add powder, water or another material.  
-Spread the prepared mortar on the surface, and fill the joint gaps completely with first parallel and then transversal movements using rubber trowel or spatula.  
-When the joint filler starts to dry on the surface, the material is cleaned from the surface with a damp sponge used in circular movements.  
-After the surface has dried, it is cleaned completely with a dry cloth.  
-Finally, polishing is applied with another cloth.  
-The prepared mortar must be consumed within 1 hour. The caked mortar in the

container or the mortar the using period of which is over must be discharged.  
-Wash your hands and application tools with plenty of water after the application.  
-After the application, the application area must be opened for use after minimum 24-48 hours.

### Storage conditions

-It is necessary to take care not to put more than 10 Kraft bags on top of each other in storage.  
-This product must be stored in dry indoor areas away from direct sunlight.  
-Bags must be stored so as not to contact with the ground in order them to be protected against humid.  
-Under such conditions, the product can be stored for 12 months as of the production date.  
-Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

### General information

Physical form	30 different color variations, powder (See Construction Chemicals sealant swatch catalog)
Shelf life	See storage conditions
Packaging	In 20 kg kraft bags 1 and 5 kg polyethylene bags Pallet: 64 pieces of 1280 kg in total

### Application features

Application temperature	Between +5 °C and +35 °C
Mixture ratio	6,75-7,25 L water/20 kg powder
Using period:	1 hours max
Hardening time	12 hours
Time to open the floor to foot traffic	24-48 hours
Consumption	See Joint Fillers Consumption Table

### Performance details

Abrasion Resistance	≤ 2000mm <sup>3</sup>
Bending strength after dry storage	≥ 2,5 N/mm <sup>2</sup>
Bending strength after Freeze-Thaw cycle	≥ 2,5 N/mm <sup>2</sup>
Compressive strength after dry storage	≥ 15 N/mm <sup>2</sup>
Compressive strength after Freeze-Thaw cycle	≥ 15 N/mm <sup>2</sup>
Shrinkage	≤ 3 mm
Water absorption 30 min. later:	≤ 5 g
Water absorption 240 min. later:	≤ 10 g
Temperature resistance Between	(-30°C) to (+60°C)

Note: The application features have been determined in consequence of the tests conducted in laboratory environment (23 ± 2 °C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients.

### Reference standards

TS EN 13888/ Class: CG1 (Cement-based grouting plaster)

G mark

Ministry of Public Works Pos. No: 04/0132

## Nivakim NIVAPLAST LF 1050

**Definition**

Cement-based surface plaster for thermal insulating boards.

**Area of application**

-It is a plaster used on polystyrene boards (XPS, EPS) in all buildings. Thanks to polypropylene fibers, it delivers high performance against possible tensions on wall surfaces under cracking risk.

**Application features**

-Using period: Max. 90 minutes  
-Using period: Max. 20-30 minutes  
-Application thickness: 4 mm  
-Applicable layer thickness: Max. 2 mm  
-Time to wait between layers: Min. 3-4 hours  
-Time to wait for top coat: 7 days  
Surface preparation  
-The surfaces on which NIVAKIM NIVAPLAST LF

will be applied must be cleared of dust, dirt, oil, etc. that prevent adherence.

-Any irregularities on the application surfaces, if any, are repaired with ARKIM ARREPAIR THIN or ARKIM ARREPAIR THICK.

-It is necessary to make sure that the surface has been cured and robust.

- If they are porous, the application surfaces must be dampened.

-It is necessary to make sure that the application surface is robust, self-supporting and level.

**Application conditions**

-Ambient temperature should be between +5 °C and +35 °C  
-Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours.  
-Do not apply on surfaces under direct sun or strong wind, or hot surfaces.

**Warnings and advices**

-Strictly avoid adding foreign substances.

-After the application, all tools used must be washed with water before letting them dry.

**Application tools**

Hand mixer, steel trowel, fiber mesh

**Application**

-The container in which the mortar will be prepared must be clean and cleared of the remnants of the previous mixture.

-It is necessary pay attention to cleanliness of the water and materials used.

-The mortar must be prepared by using 5,5-6 liters of water and 25 kg of NIVAKIM NIVAPLAST LF.

-Firstly, water is poured into the container, and then the powder is added slowly. They are mixed until a homogeneous mixture is obtained.

-A low speed mixer must be used to obtain a homogeneous mixture.

-After a homogeneous mixture has been obtained, the mortar is left to mature for 5-10 minutes.

-Before starting the application, the mixture must be remixed for 1-2 minutes.

-After the mixture has become homogeneous, never add powder, water or another material.

-The mortar is applied smoothly on thermal insulating boards with steel trowel.

-The plaster fiber mesh is buried into the plaster mortar by pressing softly with steel trowel before the mortar dries.

-The joints of the plaster fiber mesh are overlapped for almost 10 cm.

-After the 1st coat of plaster has been dehydrated slightly, the 2nd coat of plaster is applied before it dries completely.

-After the 2nd coat of plaster has been applied, the surface is leveled with steel trowel.

-The prepared mortar must be consumed within 3 hours.

-The caked mortar in the container or the mortar the using period of which is over must be discharged.

-Wash your hands and application tools with plenty of water after the application.

-After it has cured, the surface can be coated with any coating material.

**Storage conditions**

-It is necessary to take care not to put more than 10 Kraft bags on top of each other in storage.

-This product must be stored in dry indoor areas away from direct sunlight.

-Bags must be stored so as not to contact with the ground in order them to be protected against humid.

-Under such conditions, the product can be stored for 12 months as of the production date.

-Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product

## Nivakim NIVAPLAST SATIN 1095

**Definition**

Cement-based, mill-mixed finish plaster

**Area of application**

-It is used on finished or smooth roughcast indoor and outdoor surfaces and facade sheath systems.

**Application features**

-Using period: Max. 2 hours  
-Using period: Max. 60 minutes  
-Application thickness: 2-5 mm  
-Applicable layer thickness: Max. 2mm  
-Time to wait between layers: Min. 12 hours  
-Primer layer thickness: Max. 1 mm  
-Time to wait after priming: 30 min.

**Surface preparation**

-The surfaces on which NIVAKIM NIVAPLAST SATIN will be applied must be cleared of dust, dirt, oil, etc. that prevent adherence.  
-Any irregularities on the application surfaces, if

any, are repaired with ARKIM ARREPAIR THIN or ARKIM ARREPAIR THICK.

-It is necessary to make sure that the surface has been cured and robust.

- If they are porous, the application surfaces must be dampened.

-It is necessary to make sure that the application surface is robust, self-supporting and level.

**Application conditions**

-Ambient temperature should be between +5 °C and +35 °C  
-Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours.  
-Do not apply on surfaces under direct sun or strong wind, or hot surfaces.

**Warnings and advices**

-Strictly avoid adding foreign substances.  
-After the application, all tools used must be washed with water before letting them dry.

**Application tools**

Hand mixer, steel trowel, smoothing trowel, gauge interfacing

**Application**

-The container in which the mortar will be prepared must be clean and cleared of the remnants of the previous mixture.

-It is necessary pay attention to cleanliness of the water and materials used.

-The mortar must be prepared by using 7,5-8 liters of water and 20 kg of NIVAKIM NIVAPLAST SATIN.

-Firstly, water is poured into the container, and then the powder is added slowly. They are mixed until a homogeneous mixture is obtained.

-A low speed mixer must be used to obtain a homogeneous mixture.

-After a homogeneous mixture has been obtained, the mortar is left to mature for 5-10 minutes.

-Before starting the application, the mixture must be remixed for 1-2 minutes.

-After the mixture has become homogeneous,

never add powder, water or another material.

The mortar is applied to the application surface with steel trowel and mortar shovel.

-The application thickness in one coat must remain between 2 mm and 5 mm. If a second layer of plaster is required, application must be made before previous layer is fully cured.

-Surface finishing job is made 5-10 minutes later.

-When the coating is so hardened that it does not move as you touch with your finger, it can be readjusted by using a trowel.

-Sponge clover is done briefly by wetting the surface approximately 30 minutes after correction operation, thus completing the process.

-In order to reinforce the strength of the roughcast, it must be watered at regular intervals throughout 7 days after the application, depending on the ambient conditions.

-The prepared mortar must be consumed within 2 hours.

-The caked mortar in the container or the mortar the using period of which is over must be discharged.

-Wash your hands and application tools with plenty of water after the application.

**Storage conditions**

-It is necessary to take care not to put more than 10 Kraft bags on top of each other in storage.

-This product must be stored in dry indoor areas away from direct sunlight.

-Bags must be stored so as not to contact with the ground in order them to be protected against humid.

-Under such conditions, the product can be stored for 12 months as of the production date.

-Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

**General Information**

Physical form	Gray, powder
Shelf life	See storage conditions
Packaging	25 kg kraft bag Pallet: 64 pieces of 1600 kg in total

**Application features**

Application temperature	Between +5 °C and +35 °C
Mixture ratio	5,5-6 L water/25 kg powder
Using period	Max. 90 Minutes
Workable period	Min. 20-30 minutes
Application thickness	Max. 4 mm
Applicable layer thickness	Max. 2 mm
Time to wait between layers	3-4 hours
Time to wait for top coat	7 Days
Consumption Approximately	Approximately 3 - 3,5 kg/m <sup>2</sup>

**Performance details**

Hollow Unit Volume Mass of Fresh Mortar	≥ 1150kg/m <sup>3</sup>
Hollow Unit Volume Mass of Hardened Cement-based Plaster	1450±250 kg/m <sup>3</sup>
Thermal conductivity	Chart 2 T1 ≤ 0.48 W/mK (P=90%)
Sleeve analysis: Amount remaining on the sleeve with 1 mm mesh	≤ %1,0
Thermal Conductivity	Chart 2 T1 ≤ 0.54 W/mK (P=90%)
Bending Strength	≥ 2 N/mm <sup>2</sup>
Compressive Strength	≥ 6 N/mm <sup>2</sup>
Strength of Adhesion to Thermal Insulating Board	≥ 0,08 N/mm <sup>2</sup>
Capillary Water Absorption	≤ 0,5 kg/m <sup>2</sup> . dk 0,5
Water Vapor Permeability Coefficient	μ ≤ 15
Fire Class	A1
Temperature resistance	Between -30°C and +60°C

**Note:** The application features have been determined in consequence of the tests conducted in laboratory environment (23 ± 2 °C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients.

**Reference standards**

TS 13687  
G  
Ministry of Public Works Pos. No: 04/481

**General Information**

Physical form	White, powder
Shelf life	See storage conditions
Packaging	20 kg kraft bag Pallet: 64 pieces of 1280 kg in total

**Application features**

Application temperature	Between +5 °C and +35 °C
Mixture ratio	7,5-8 L water/20 kg powder
Using period	Max. 2 hours
Workable period	Min. 60 minutes
Application thickness	2-5 mm
Applicable layer thickness	Max. 2 mm
Time to wait between layers	12 hours
Primer layer thickness	Max. 1 mm
Time to wait after priming	30 minutes
Consumption Approximately	2-2,5 kg/m <sup>2</sup> (for 2 mm thickness)

**Performance details**

Compressive strength	CS IV (≥ 6 N/mm <sup>2</sup> )
Dry bulk density	1050 ± 200kg/m <sup>3</sup>
Thermal conductivity	Chart 2 T1 ≤ 0.48 W/mK (P=90%)
Adhesive strength	0.3 N/mm <sup>2</sup> FP: A
Capillary water absorption	(W0) ≤ 0,5 kg/m <sup>2</sup> .min 0,5
Water capor permeability coefficient	≤ 30μ
Fire class	A1
Temperature resistance	Between -30°C and +60°C

Note: The application features have been determined in consequence of the tests conducted in laboratory environment (23 ± 2 °C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients.

**Reference standards**

TS EN 998-1 / Class: GP  
CE



## Nivakim NIVATHERM AD 1075

**Definition**

Cement-based adhesive mortar for thermal insulating boards.

**Area of application**

It is used to affix the polystyrene boards (XPS, EPS) facade sheathing for all buildings.

**Application features**

-Using period: Max. 2 hours  
-Using period: Max. 10-15 minutes  
-Time to pass to apply plaster on the affixed insulating board: 2 days

**Surface preparation**

-The surfaces on which NIVAKIM NIVATHERM AD will be applied must be cleared of dust, dirt, oil, etc. that prevent adherence.  
-Any irregularities on the application surfaces, if any, are repaired with ARKIM ARREPAIRTHIN or ARKIM ARREPAIRTHICK.  
-It is necessary to make sure that the surface has been cured and robust.

-If they are porous, the application surfaces must be dampened.  
-It is necessary to make sure that the application surface is robust, self-supporting and level.

**Application conditions**

-Ambient temperature should be between +5 °C and +35 °C  
-Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours.  
-Do not apply on surfaces under direct sun or strong wind, or hot surfaces.

**Warnings and advices**

-Strictly avoid adding foreign substances.  
-After the application, all tools used must be washed with water before letting them dry.  
-Do not apply on weak surfaced with low strength.

**Application tools**

Hand mixer, steel trowel, notched trowel  
Application  
-The container in which the mortar will be

prepared must be clean and cleared of the remnants of the previous mixture.  
-It is necessary pay attention to cleanliness of the water and materials used.  
-The mortar must be prepared by using 5,5-6 liters of water and 25 kg of NIVAKIM NIVATHERM AD.  
-Firstly, water is poured into the container, and then the powder is added slowly. They are mixed until a homogeneous mixture is obtained.  
-A low speed mixer must be used to obtain a homogeneous mixture.  
-After a homogeneous mixture has been obtained, the mortar is left to mature for 5-10 minutes.  
-Before starting the application, the mixture must be remixed for 1-2 minutes.  
-After the mixture has become homogeneous, never add powder, water or another material.  
-NIVAKIM NIVATHERM AD must be applied depending on flatness of the application surface. If the surface is flat, rear side of the board must be notched, and if the surface is not flat, the product must be applied by grouping the mortar on the

back face of the board.  
-During the bonding process, it is necessary to check whether the boards are at the same level using gauge and bubble level.  
-The prepared mortar must be consumed within 3 hours.  
-The caked mortar in the container or the mortar the using period of which is over must be discharged.  
-Wash your hands and application tools with plenty of water after the application.  
-Depending on the ambient temperature and the surface properties, mechanical dowel must be applied at least 24 hours later.

**Storage conditions**

-It is necessary to take care not to put more than 10 Kraft bags on top of each other in storage.  
-This product must be stored in dry indoor areas away from direct sunlight.  
-Bags must be stored so as not to contact with the ground in order them to be protected against humid.  
-Under such conditions, the product can be stored for 12 months as of the production date.  
-Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

## Nivakim NIVADEKOMIN THICK 1060

**Definition**

Cement-based, decorative, mineral plaster

**Area of application**

It is used on finished and smooth roughcast surfaces in facade sheath systems.  
It is used as decorative coating on indoor and outdoor facade plasters.

**Application features**

-Using period: Max. 1 hour  
-Using period: Max. 30 minutes  
-Application thickness: 2 mm

**Surface preparation**

-The surfaces on which NIVAKIM NIVADEKOMIN will be applied must be cleared of dust, dirt, oil, etc. that prevent adherence.  
-Any irregularities on the application surfaces, if any, are repaired with ARKIM ARREPAIRTHIN or ARKIM ARREPAIRTHICK.  
-It is necessary to make sure that the surface has been cured and robust.  
-If they are porous, the application surfaces must be dampened.  
-It is necessary to make sure that the application

surface is robust, self-supporting and level.  
-The surface must be dampened or lined with ARKIM ARASTAR before the application if necessary.

**Application conditions**

-Ambient temperature should be between +5 °C and +35 °C  
-Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours.  
-Do not apply on surfaces under direct sun or strong wind, or hot surfaces.

**Warnings and advices**

-Strictly avoid adding foreign substances.  
-After the application, all tools used must be washed with water before letting them dry.

**Application tools**

Hand mixer, steel trowel, plastic trowel

**Application**

-The container in which the mortar will be prepared must be clean and cleared of the remnants of the previous mixture.  
-It is necessary pay attention to cleanliness of the water and materials used.

-The grout must be prepared by using 5,5-6 liters of water and 25 kg of NIVAKIM NIVADEKOMIN.  
-Firstly, water is poured into the container, and then the powder is added slowly. It is mixed until no lump appears.  
-A low speed mixer must be used to obtain a homogeneous mixture.  
-After a homogeneous mixture has been obtained, it is let to settle for 5-10 minutes. Before starting the application, the mixture is remixed for 1-2 minutes.  
-After the mixture has become homogeneous, never add powder, water or another material.  
-The prepared mortar is applied on the surface in filler amount with steel trowel, and the surface is textured by circular movements using plastic trowel.  
-The prepared mortar must be consumed within 3 hours.  
-The product must be applied in a lump on interconnected surfaces.  
-It cannot be left on the surface as top coat construction material. It is compulsory to paint it after drying.  
-This product must not be applied in cases where the temperature may drop below +5 °C within 24

hours following the application.  
-Excessively hot surfaces must be moisturized before the application.  
-In order to conceal the joints on wide surfaces or working breaks, it is necessary to use paper band, or to work non-stop and with sufficient number of applicators to ensure wet on wet application before the material dries.  
-The material must not be used on horizontal surfaces exposed to rain.  
-The caked mortar in the container or the mortar the using period of which is over must be discharged.  
-Wash your hands and application tools with plenty of water after the application.

**Storage conditions**

-It is necessary to take care not to put more than 10 Kraft bags on top of each other in storage.  
-This product must be stored in dry indoor areas away from direct sunlight.  
-Bags must be stored so as not to contact with the ground in order them to be protected against humid.  
-Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

General Information	
Physical form	White, powder
Shelf life	See storage conditions
Packaging	25 kg kraft bag Pallet: 64 pieces of 1600 kg in total

Application features	
Application temperature	Between +5 °C and +35 °C
Mixture ratio	5,5 - 6 L water/25 kg powder
Using period	Max. 2 hours
Workable period	Max. 10 - 15 minutes
Time to pass to apply plaster on the affixed insulating board	2 days
Consumption Approximately	3 - 5 kg/m <sup>2</sup>

Performance Details	
Hollow Unit Volume Mass of Fresh Mortar	≥ 1000kg/m <sup>3</sup>
Sleeve analysis:	Amount remaining on the sleeve with 1 mm mesh ≤ %1,0
Bending Strength	≥ 2 N/mm <sup>2</sup>
Compressive Strength	≥ 6 N/mm <sup>2</sup>
Strength of Adhesion to Thermal Insulating Board	≥ 0,08 N/mm <sup>2</sup>
Water Absorption For 30 minutes,	≤ 5g
Water Absorption For 240 minutes,	≤ 10g
Strength of Adhesion to Lower Layer	≥ 0,5 N/mm <sup>2</sup>
Fire Class	A1
Temperature resistance	Between -30°C and +60°C

**Note:** The application features have been determined in consequence of the tests conducted in laboratory environment (23 ± 2 °C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients.

**Reference standards**

TS 13566

G

Ministry of Public Works Pos. No: 04/480

General Information	
Physical form	White, powder
Shelf life	See storage conditions
Packaging	25 kg kraft bag Pallet: 64 pieces of 1600 kg in total

Application features	
Application temperature	Between +5 °C and +35 °C
Mixture ratio	5,5-6 L water/25 kg powder
Using period:	max Max. 60 minutes
Workable period	30 minutes
Application thickness	2 mm
Consumption	Approximately 2,2 - 2,5 kg/m <sup>2</sup> (for 2 mm thickness)

Performance details	
Dry Film Thickness	E <sub>s</sub>
Particle Size Grade	S <sub>4</sub>
Water Vapor Transmission Rate	V <sub>2</sub>
Water Transmission Rate	W <sub>1</sub>
Crack Covering Feature	A <sub>0</sub>
CO2 Permeability	C <sub>0</sub>
Temperature resistance	Between -30°C and +60°C

Note: The application features have been determined in consequence of the tests conducted in laboratory environment (23 ± 2 °C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients.

**Reference standards**

TS 7847

G mark

Ministry of Public Works Pos. No: 04/476/A

## Nivakim NİVADEKOMIN THIN 1070



**Definition**  
Cement-based, decorative, mineral plaster

**Area of application**  
-It is used on finished and smooth roughcast surfaces in facade sheath systems.  
It is used as decorative coating on indoor and outdoor facade plasters.

**Application features**  
-Using period: Max. 1 hour  
-Using period: Max. 30 minutes  
-Application thickness: 2 mm

**Surface preparation**  
-The surfaces on which NIVAKIM NİVADEKOMIN will be applied must be cleared of dust, dirt, oil, etc. that prevent adherence.  
-Any irregularities on the application surfaces, if any, are repaired with ARKIM ARREPAIR THIN or ARKIM ARREPAIR THICK.  
-It is necessary to make sure that the surface has been cured and robust.  
-If they are porous, the application surfaces must be dampened.  
-It is necessary to make sure that the application

surface is robust, self-supporting and level.  
-The surface must be dampened or lined with ARKIM ARASTAR before the application if necessary.

**Application conditions**  
-Ambient temperature should be between +5 °C and +35 °C  
-Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours.  
-Do not apply on surfaces under direct sun or strong wind, or hot surfaces.

**Warnings and advices**  
-Strictly avoid adding foreign substances.  
-After the application, all tools used must be washed with water before letting them dry.

**Application tools**  
Hand mixer, steel trowel, plastic trowel

**Application**  
-The container in which the mortar will be prepared must be clean and cleared of the remnants of the previous mixture.  
-It is necessary pay attention to cleanliness of the water and materials used.

-The grout must be prepared by using 5,5-6 liters of water and 25 kg of NIVAKIM NİVADEKOMIN.  
-Firstly, water is poured into the container, and then the powder is added slowly. It is mixed until no lump appears.  
-A low speed mixer must be used to obtain a homogeneous mixture.  
-After a homogeneous mixture has been obtained, it is let to settle for 5-10 minutes. Before starting the application, the mixture is remixed for 1-2 minutes.  
-After the mixture has become homogeneous, never add powder, water or another material.  
-The prepared mortar is applied on the surface in filler amount with steel trowel, and the surface is textured by circular movements using plastic trowel.  
-The prepared mortar must be consumed within 3 hours.  
-The product must be applied in a lump on interconnected surfaces.  
-It cannot be left on the surface as top coat construction material. It is compulsory to paint it after drying.  
-This product must not be applied in cases where the temperature may drop below +5 °C within 24

hours following the application.  
-Excessively hot surfaces must be moisturized before the application.  
-In order to conceal the joints on wide surfaces or working breaks, it is necessary to use paper band, or to work non-stop and with sufficient number of applicators to ensure wet on wet application before the material dries.  
-The material must not be used on horizontal surfaces exposed to rain.  
-The caked mortar in the container or the mortar the using period of which is over must be discharged.  
-Wash your hands and application tools with plenty of water after the application.

**Storage conditions**  
-It is necessary to take care not to put more than 10 Kraft bags on top of each other in storage.  
-This product must be stored in dry indoor areas away from direct sunlight.  
-Bags must be stored so as not to contact with the ground in order them to be protected against humid.  
-Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

General Information	
Physical form	White, powder
Shelf life	See storage conditions
Packaging	25 kg kraft bag Pallet: 64 pieces of 1600 kg in total

Application features	
Application temperature	Between +5 °C and +35 °C
Mixture ratio	5,5-6 L water/25 kg powder
Using period:	max 5 hours
Workable period	30 minutes
Application thickness	1,2 mm
Consumption	Approximately 1,8-2,1 kg/m² (for 2 mm thickness)

Performance details	
Dry Film Thickness	E <sub>5</sub>
Particle Size Grade	S <sub>3</sub>
Water Vapor Transmission Rate	V <sub>1</sub>
Water Transmission Rate	W <sub>1</sub>
Crack Covering Feature	A <sub>0</sub>
CO2 Permeability	C <sub>0</sub>
Temperature resistance	Between -30°C and +60°C

Note: The application features have been determined in consequence of the tests conducted in laboratory environment (23 ± 2 °C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients.

### Reference standards

TS 7847

G mark

Ministry of Public Works Pos. No: 04.476/A

## Nivakim NİVADEKOMIN LINE PATTERNED 1065



**Definition**  
Cement-based, decorative, mineral plaster

**Area of application**  
-It is used on finished and smooth roughcast surfaces in facade sheath systems.  
It is used as decorative coating on indoor and outdoor facade plasters.

**Application features**  
-Using period: Max. 1 hour  
-Using period: Max. 30 minutes  
-Application thickness: 2 mm

**Surface preparation**  
-The surfaces on which NIVAKIM NİVADEKOMIN will be applied must be cleared of dust, dirt, oil, etc. that prevent adherence.  
-Any irregularities on the application surfaces, if any, are repaired with ARKIM ARREPAIR THIN or ARKIM ARREPAIR THICK.  
-It is necessary to make sure that the surface has been cured and robust.  
-If they are porous, the application surfaces must be dampened.  
-It is necessary to make sure that the application

surface is robust, self-supporting and level.  
-The surface must be dampened or lined with ARKIM ARASTAR before the application if necessary.

**Application conditions**  
-Ambient temperature should be between +5 °C and +35 °C  
-Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours.  
-Do not apply on surfaces under direct sun or strong wind, or hot surfaces.

**Warnings and advices**  
-Strictly avoid adding foreign substances.  
-After the application, all tools used must be washed with water before letting them dry.

**Application tools**  
Hand mixer, steel trowel, plastic trowel

**Application**  
-The container in which the mortar will be prepared must be clean and cleared of the remnants of the previous mixture.  
-It is necessary pay attention to cleanliness of the water and materials used.

-The grout must be prepared by using 5,5-6 liters of water and 25 kg of NIVAKIM NİVADEKOMIN.  
-Firstly, water is poured into the container, and then the powder is added slowly. It is mixed until no lump appears.  
-A low speed mixer must be used to obtain a homogeneous mixture.  
-After a homogeneous mixture has been obtained, it is let to settle for 5-10 minutes. Before starting the application, the mixture is remixed for 1-2 minutes.  
-After the mixture has become homogeneous, never add powder, water or another material.  
-The prepared mortar is applied on the surface in filler amount with steel trowel, and the surface is textured by circular movements using plastic trowel.  
-The prepared mortar must be consumed within 3 hours.  
-The product must be applied in a lump on interconnected surfaces.  
-It cannot be left on the surface as top coat construction material. It is compulsory to paint it after drying.  
-This product must not be applied in cases where the temperature may drop below +5 °C within 24

hours following the application.  
-Excessively hot surfaces must be moisturized before the application.  
-In order to conceal the joints on wide surfaces or working breaks, it is necessary to use paper band, or to work non-stop and with sufficient number of applicators to ensure wet on wet application before the material dries.  
-The material must not be used on horizontal surfaces exposed to rain.  
-The caked mortar in the container or the mortar the using period of which is over must be discharged.  
-Wash your hands and application tools with plenty of water after the application.

**Storage conditions**  
-It is necessary to take care not to put more than 10 Kraft bags on top of each other in storage.  
-This product must be stored in dry indoor areas away from direct sunlight.  
-Bags must be stored so as not to contact with the ground in order them to be protected against humid.  
-Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

General Information	
Physical form	White, powder
Shelf life	See storage conditions
Packaging	25 kg kraft bag Pallet: 64 pieces of 1600 kg in total

Application features	
Application temperature	Between +5 °C and +35 °C
Mixture ratio	5,5-6 L water/25 kg powder
Using period:	max 5 hours
Workable period	30 minutes
Application thickness	2 mm
Consumption	Approximately 2,5 - 3 kg/m² (for 2 mm thickness)

Performance details	
Dry Film Thickness	E <sub>5</sub>
Particle Size Grade	S <sub>4</sub>
Water Vapor Transmission Rate	V <sub>2</sub>
Water Transmission Rate	W <sub>1</sub>
Crack Covering Feature	A <sub>0</sub>
CO2 Permeability	C <sub>0</sub>
Temperature resistance	Between -30°C and +60°C

Note: The application features have been determined in consequence of the tests conducted in laboratory environment (23 ± 2 °C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients.

### Reference standards

TS 7847

G mark

Ministry of Public Works Pos. No: 04.476/A



NITRON FIX 50



Definition

Cement based normal hardening ceramic adhesive mortar

Area of application

- Indoor and outdoor small and medium sized floor and wall ceramics, tiles, natural stone glass mosaic, travertine, decorative facing bricks, horizontal and vertical covering materials, wet areas such as bathrooms and kitchens, surfaces such as concrete, plaster, screed used in the application. -It is used for bonding tiles on tiles or ceramics on ceramics.

Application features

-Usability time max. 5 hours  
-Working time min. 20 minutes  
-Fixing time max. 15 minutes  
-Time required for grouting, 24 hours on the wall, 48 hours on the floor

Surface preparation

-The surfaces on which NITRON FIX 50 will be applied should be free of dust, dirt, oil, etc. It should be cleared of residues that will prevent sticking, such as

- If there are defects on the application surface, they are corrected with ARKİM ARREPAIR THIN or ARKİM ARREPAIR THICK.  
- Care should be taken to ensure that the surface is cured and solid. -  
If the application surfaces are porous, they should be wetted.  
- Care should be taken to ensure that the applied surface is on a solid carrier and also in balance.

Application conditions

-Ambient temperature between +5°C and +35°C,  
-It should not be applied on surfaces that are frozen, melting or where there is a danger of frost within 24 hours.  
- It should not be applied under direct sun, strong wind or on hot surfaces. - During the application, it should be noted that NITRON FIX 50 forms a film on its surface, if it does, it should be re-carded.  
Warnings and Suggestions  
-Strictly no foreign substances should be added.  
-After the application, all the tools used should be washed with water before they dry.

Application tools

Hand mixer, trowel, rubber hammer, toothed steel trowel

Application

-The container in which the mortar will be prepared must be clean and free from the residues of the previous mixture. Attention should be paid to the cleanliness of the water and materials used.  
-The mortar should be prepared at the rate of 25 kg NITRON FIX 50 to 6-6.5 liters of water.  
-Water is first poured into the container, and then the powder is gradually sieved and mixed until a homogeneous mixture is obtained.  
-A low speed mixer should be used to make the mixture homogeneous. -After obtaining a homogeneous mixture, it is rested for 5-10 minutes for the mortar to mature.  
-It should be mixed again for 1-2 minutes before starting the application.  
- After the mixture becomes homogeneous, no powder, water or any other substance should be added. -In order to obtain a better adhesion surface, after the mortar is spread on the surface with the flat part of the trowel, it should be combed with the toothed part of the trowel selected in accordance with the tile size (See Joint Fillers Size

and Consumption Table).  
-The tiles should be adhered by applying force with a rubber hammer on the notched mortar within 20 minutes. This period may be shortened in applications made under unsuitable ambient conditions such as high temperature, low humidity, and wind. -  
Adhesion should not be done on the expired mortar, the mortar should be scraped from the surface. -  
The prepared mortar should be consumed within 5 hours. -Expired or crusted mortar in the container should be discarded.  
-After the application, hands and application tools should be washed with plenty of water.  
- Tiles adhered with NITRON FIX 50 should be avoided for at least 24 hours in direct contact with water.

Storage conditions

Storage should be done indoors and in areas away from direct sunlight. -The bags should be stored in such a way that they do not touch the ground and be protected from moisture. -Under these conditions, the product can be stored for 12 months from the date of manufacture. It can be stored for 12 months between +5°C and +35°C. -Improper storage conditions or exceeding the period of use may deteriorate the qualities of the product.

General Information

Appearance	Grey-White, Powder
Shelf Life	See Storage Conditions
Packaging In	25 kg Kraft Bag 64 pieces on Pallet, 1600 kg

Application Features

Application Temperature	+5 °C to +35 °C
Mixing Ratio	6-6.5 L water/25 kg powder
Usability Time maximum	5 hours
Working Time (on the ground) minimum	20 minutes
Fixability Time (on the ground) minimum	15 minutes
Commissioning Time (time to open to traffic)	24 hours on the wall-48 hours on the ground
Consumption	See Card Size and Consumption Chart

Performance Information

Tensile Adhesion Strength After Exposure(20 minutes)	≥0.5N/mm2
Initial Tensile Adhesion Strength	≥0.5N/mm2
Tensile Adhesion Strength After Immersion	≥0.5N/mm2
Tensile Adhesion Strength After Heat Aging	≥0.5N /mm2
Tensile Adhesion Strength After Freeze-Thaw Cycles	≥0.5N/mm2
Temperature Resistance	-30 °C to +70 °C)

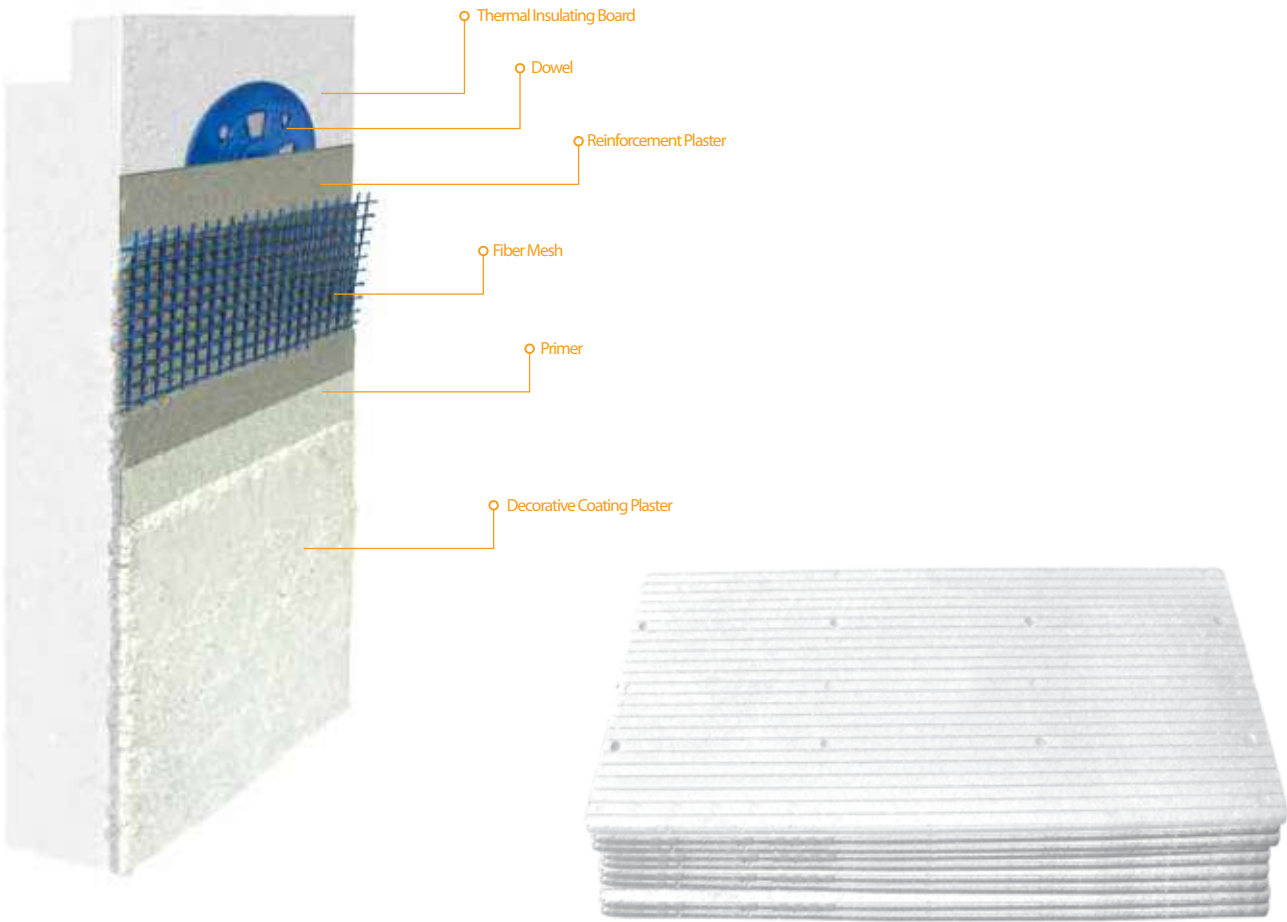
Note: Application specifications in laboratory environment (23±2°C and 50±5% relative humidity) and no air flow) have been obtained as a result of the experiments and may vary in different ambient conditions. The performance information has been tested in the environments specified by the product's standard, and the results may be observed differently in different environments.

Reference Standards

TS EN 12004-1 Class C1 Cement based normal hardening ceramic adhesive mortar.  
CEP  
Public Works Item No: 04013/1



Nivatherm NIVA EPS WHITE



Definition:

NIVA EPS is produced by inflating the polystyrene granules and fusing them in the mold system. When it is used on the roofs, walls and basements of the buildings, it wraps the building like a thermos thanks to its perfect thermal insulation feature. It decreases the heating and cooling costs in winter and summer respectively, thus minimizing these important parameters of the operating costs. It prevents the increase of environment pollution through less fuel consumption.

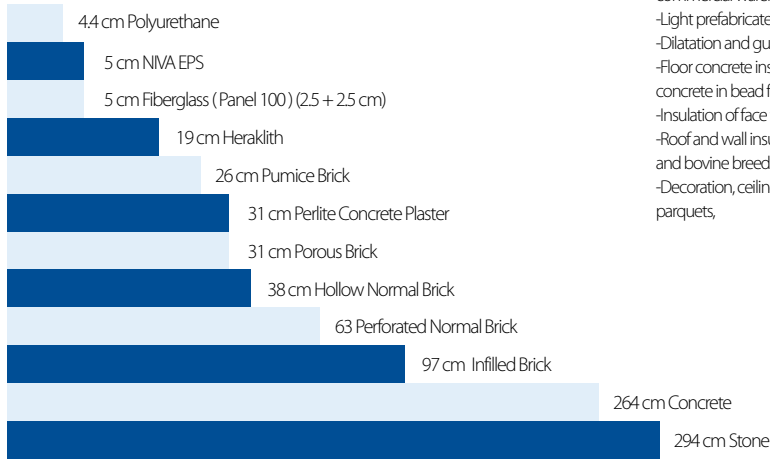
Fields of application:

- Thermal and sound insulations of any buildings and structures,
- Refrigeration plants, cold stores and commercial warehouses,
- Light prefabricated construction elements,
- Dilatation and gutters,
- Floor concrete insulation and inside the concrete in bead form,
- Insulation of face walls, columns and beams,
- Roof and wall insulation for poultry and ovine and bovine breeding,
- Decoration, ceiling rose works and under the parquets,

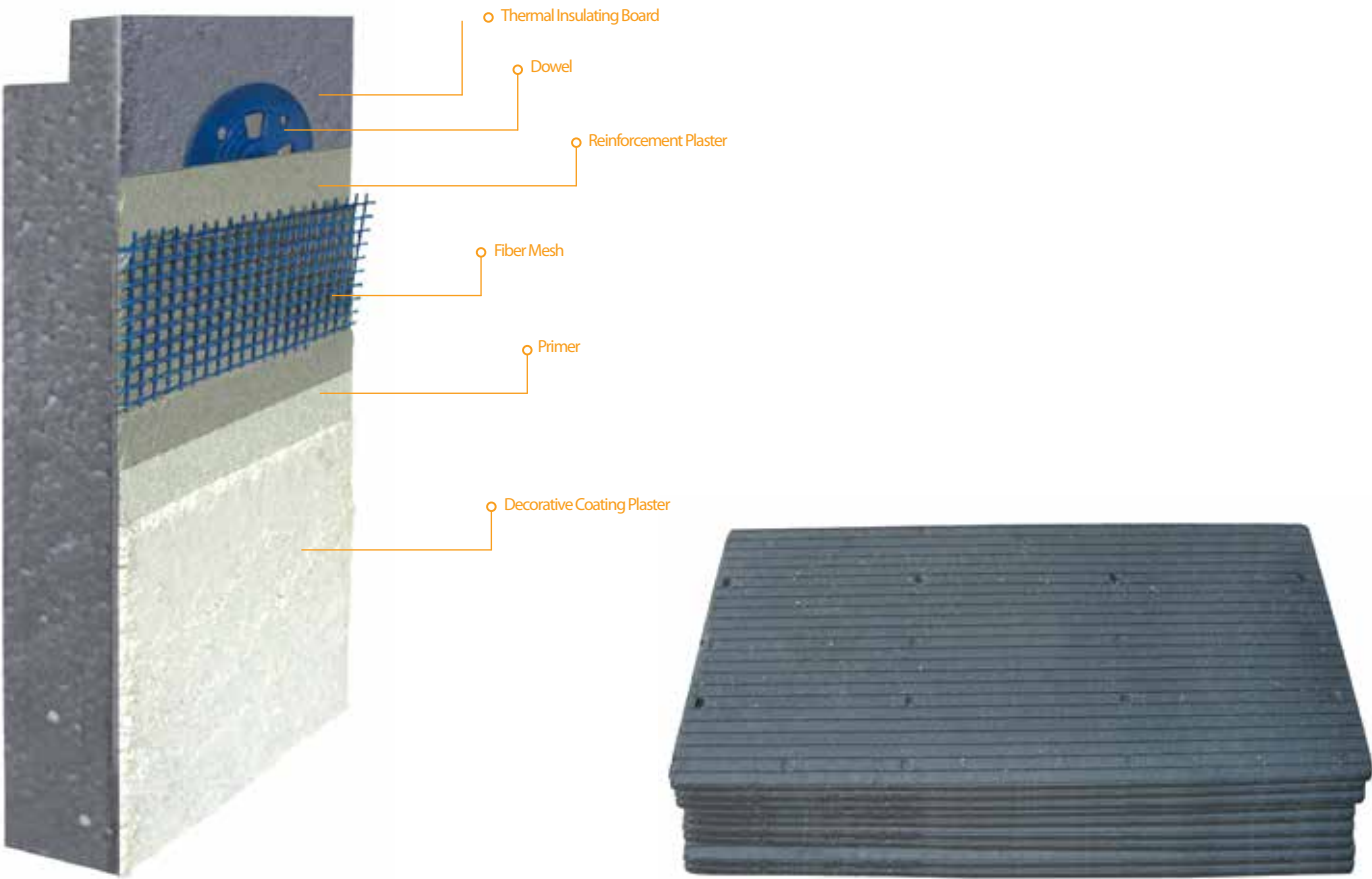
- Production of mockups and toys,
- Drying of tea and tobacco, carrying of marble,
- NIVA EPS produces solutions.

Superior features of EPS:

- It is an economic application.
- While it is a product providing high protection advantage, it is rather light.
- It does not lose its insulation feature in time thanks to its strength.
- Its water absorption value is very low.
- It is shock-absorber.
- It does not include poisonous gases like CFC.
- It prevents bacterial reproduction.
- It has a high fire resistance as it is a B1 class flameproof material as per the DIN 4102 standard.
- It is not aged, and thus it neither decays nor loses its insulation value in time.
- It can be cut to desired form according to the intended use.
- It can be painted and printed.



Nivatherm NIVA EPS CARBON



Superior features of EPS:

EPS with graphite reflector ensures significant decrease in thermal conductivity through infrared absorbercy and reflectance thanks to its graphite additive, and takes its color from this material.

All the other features of EPS such as superior technical features, vapor permeability, dimensional stability, and environmentfriendliness are present in the graphite-added EPS without any missing.

The graphite-added EPS is produced in compliance with the requirements of DIN EN 13163 European standard, and its fire class is below E according to DIN EN 13501-1.

According to DIN 4102 German Norm, its class is B1 – difficult to ignite.

The Thermal Conductivity Coefficient of EPS, the density of which is 15 kg/m3, is 0.037 W/(m.K) according to the EN 13163 calculation.

EPS with graphite reflector, the density of which is 15 kg/m3, has the thermal conductivity value of a 30 kg/ m3 EPS. In this way, it is possible to achieve equal insulation performance through thinner insulation boards by providing 20% better thermal insulation.

General Information

Packaging	Length: 1250 mm Width: 600 mm Thickness: 1 - 100 cm
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Application features

Application temperature	(+5°C) ile (+35°C) arası
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Performance details	EPS50(CARBON)	EPS70(CARBON)	EPS80(WHITE)	EPS100(WHITE)	EPS120(WHITE)
Density	16 kg/m³	20 kg/m³	16 kg/m³	20 kg/m³	20 kg/m³
Thermal Conductivity	0,032 W/m.K	0,031 W/m.K	0,038 W/m.K	0,036 W/m.K	0,034 W/m.K
Dimensional stability at a specific temperature and relative humidity	% DS(70;-)2	% DS(70;-)2	% DS(70;-)2	% DS(70;-)2	% DS(70;-)2
Dimensional stability under constant normal laboratory conditions	% DS(N)2	% DS(N)2	% DS(N)2	% DS(N)2	% DS(N)2
Size Tolerance Classes	L3, W3, T2, S5, P5	L3, W3, T2, S5, P5	L3, W3, T2, S5, P5	L3, W3, T2, S5, P5	L3, W3, T2, S5, P5
Compressive stress at 10% deformation	50 kPa	70 kPa	80 kPa	100 kPa	120 kPa
Bending Strength	BS100 kPa	BS125 kPa	BS125 kPa	BS150 kPa	BS200 kPa
Dip long term water absorption	% WL(T)4	% WL(T)4	% WL(T)3	% WL(T)3	% WL(T)2
Tensile strength perpendicular to the surface	TR100 kPa	TR100 kPa	TR100 kPa	TR100 kPa	TR150 kPa
Fire Class	E	E	E	E	E

**Note:** The application features have been determined in consequence of the tests conducted in laboratory environment (23 ± 2 0C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients.

Reference Standards

TS EN 13163:2012+A2





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10 | NIVAGIPS | GYPSUM RANGE

Nivagips **PLASTER**

Nivagips **MACHINE**

Nivagips **SATIN**

Nivagips **PARIS**

Nivagips **BACKFILL**

Nivagips **FIX**



## Nivagips PERLITE PLASTER 9133

**Description**

- Manual freezing and processing times elongated, with increased heat and sound insulation plaster .

**Area of Application**

-Easily applied to brick, briquette, gas concrete, concrete and exposed concrete type surfaces. Application Features Using period: 100-120 minutes Application thickness: min. 10mmmax. 20mm Setting time: after 60-80 minutes It is a non-combustible building material. Does not produce bacteria and fungi.

**Surface Preparation**

-The surfaces to be applied should be free of dust, dirt, oil, etc. It should be cleared of residues that will prevent sticking. If there are defects on the application surface, they are corrected with ARKIM ARREPAIR THIN or ARKIM ARREPAIR THICK . - Care should be taken to ensure that the surface is cured and robust. -Metal surfaces should be protected against rust before applying. - ARKIM ARKONTAK primer should be used, which increases the

adherence to make roughening on exposed concrete, ceilings and walls.

**Application Conditions**

-Ambient temperature between +5 °C and +30°C, -It should not be applied on surfaces that are frozen, melting or where there is a danger of frost within 24 hours. - It should not be applied under direct sun, strong wind or on hot surfaces. -Applied surfaces should never come into contact with water.

**Warnings and Suggestions**

- Pay attention to the water / plaster ratio of the mixture. Otherwise, deterioration of this ratio may cause spills, cracks and low strength. -Do not apply in very hot, dry and windy environments. As a result of applications to be made in extremely hot environments, spills, cracks and strength losses may occur. -Pay attention to product storage conditions. Products should not be stored in humid and very hot environments. - It should never be used when there are situations such as petrification in the bag. -Dust should not be

inhaled as it contains various chemical additives and gypsum. It should not come into contact with skin and eyes. In case of contact, wash with plenty of water. Work clothes such as masks and gloves should be used during work.

**Application Tools**

Hand mixer, plaster trowel, gauge, steel trowel

**Application**

-The container in which the mortar will be prepared must be clean and free from the residues of the previous mixture. Attention should be paid to the cleanliness of the water and materials used. -The water used in the mixture should not be salty, acidic or oily. The water temperature should be between 17 and 23°C. -The mortar should be prepared at the rate of 10 kg NIVAGIPS PERLITE in 5-5.5 liters of water. -Water is first poured into the container and then NIVAGIPS PERLITE PLASTER is added. Wait about 2 minutes for the plaster to absorb the water. It is ensured that the mortar reaches a homogeneous consistency by mixing it thoroughly with a trowel

or hand mixer. - If a mechanical mixer is used in mixing, it should be operated at low speed. Because high cycle increases plaster consumption and causes problems such as early freezing. -Water or gypsum should not be added to the mortar after mixing in order to prevent the plaster from clumping. -The surface to be applied must be wetted just before the application. -The surface is smoothed by using an aluminum gauge and excess mortar is removed. -After the plaster has hardened sufficiently, shaving is done using a steel trowel and the roughness of the surface is smoothed. -The application thickness should be at least 8 mm on the ceiling and at most 10 mm on the other facades, 10-20 mm. If the second coat is required, the application should be done without getting the first coat set. It should not be applied more than one coat on the ceiling surfaces and more than two coats on the other surfaces. -No other product or material should be mixed with NIVAGIPS PERLITE PLASTER. -The surface of NIVAGIPS PERLITE PLASTER should be protected from the wind against rapid drying.

**Storage Conditions**

-A maximum of 18 bags should be placed on top of each other in a dry environment. Bags should be stored in such a way that they do not touch the ground and be protected from moisture. Under these conditions, NIVAGIPS PERLITE PLASTER should be used within 12 months from the production date. Improper storage conditions or exceeding the period of use may deteriorate the qualities of the product.

General Information	
Appearance	White, powder
Shelf Life	See Fig. Storage Conditions
Packaging	30 - 35 kg Polypropylene laminated bag
Application Features	
Application Temperature	(+5 °C) to (+35 °C)
Mixing Ratio	5-5.5 L water/10 kg powder
Usage Time	100 - 120 minutes
Setting time 6	0 - 80 minutes
Application Thickness minimum	10 mm - maximum 20 mm
Consumption	7.5 - 8 kg/m2 (for 10 mm thickness)
Performance Information	
Bending Strength	≥ 1 N/mm²
Compressive Strength	≥ 2 N/mm²
Adhesion Strength	≥ 0.1 N/mm²
Percentage of Calcium Sulphate	≥ 50%
Setting start time:	≥ 20 minutes
Thermal Resistance	≤ 0.34 W/(m·K)
Direct airborne sound insulation NPD Dry Surface Hardness	≥ 40 SHORE D
Fire Class	A1
Temperature Resistance	(-30 °C) to (+60 °C)

Note: The application properties are provided as a result of experiments carried out in a laboratory environment (23 ± 2 °C and 50% ± 5% humidity and no air flow) and may vary according to different ambient conditions. Performance information has been tested in the environments specified in accordance with the relevant standard of the product, and results may differ in different environments.

**Reference standards**

TS EN 13279-1/B4/20/2

CE

## Nivagips MACHINE PLASTER 9233

**Definition**

It is ready-to-use gypsum plaster whose setting and processing times have been lengthened and heat and sound insulation characteristics have been increased, and applied by spraying with a machine.

**Area of Application**

-Easily applied to brick, briquette, gas concrete, concrete and exposed concrete type surfaces.

**Application features**

-Time to readjust: Max. 60 minutes  
-Time to use devil float: 90 – 120 minutes  
-Time to use steel trowel: 120 – 150 minutes  
-Application thickness: for ceilings min. 8 mm, max. 10mm, for other surfaces 10-20mm (for a single coat) Setting Time: Min. 50 minutes  
-An inflammable construction material.  
-Never allows bacterial or fungi growth.

**Surface preparation**

The application surfaces must be cleared of dust, dirt, oil, etc. that prevent adherence. -Any irregularities on the application surfaces, if any, are repaired with ARKIM ARREPAIR THIN or ARKIM ARREPAIR THICK. -It is necessary to make sure that the surface has been cured and robust. -Metal surfaces must be protected against corrosion before application. -Aluminum screed rails should be placed on the wall vertically prior to the application. -Exposed concrete, ceiling and wall roughening process must be done using ARKIM ARKONTAK primer increasing the adherence.

**Application conditions**

-Ambient temperature should be between +5°C and +30 °C  
-Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours.  
-Do not apply on surfaces under direct sun or

strong wind, or hot surfaces.

-The newly applied surfaces must be protected against water contact definitely.

**Warnings and advices**

-Pay attention to the water/plaster ratio of the mix. Otherwise, it may cause spalling, cracks or strength reduction.  
-Do not apply in very hot, dry or windy environments. If applied in very hot environments, it may cause spalling, cracks and strength reduction consequently.  
-Pay attention to the product storing conditions. Do not keep the product in humid or very hot places. -In case any petrification is found out in the bag, do not use the product.  
-Do not breath its powder since it consists of various chemical additives and plaster. Avoid contact with skin and eyes. In case of contact, wash your skin/eyes with plenty of water. Use protective equipment such as mask, gloves etc. during the works.

**Application tools**

Hand mixer, plastering trowel, floating rule, steel trowel, aluminum screed rails

**Application**

-It is necessary to pay attention to cleanliness of the water and materials used.  
-The water used in the mixture should not be salty, acidic or oily. The water temperature must be between 17°C and 23°C.  
-The mortar must be prepared by using 5-5.5 liters of water and 10 kg of NIVAGIPS MACHINE PLASTER.  
-Aluminum screed rails are placed on the surface to determine the plaster thickness before application.  
-It must be ensured that the the application surface is moistened prior to application.  
-ARKIM NIVAGIPS MACHINE should be sprayed in horizontal stripes on the application surface with the same density without leaving any spaces.  
-The application thickness in one coat must be 8 to 10 mm on ceiling, and 10 to 20 mm on the other facades. If a second layer of plaster is required, application must be made before previous layer is fully cured. The application must not exceed one coat on ceilings and two coats on the other surfaces.  
Surface finishing job is made 5-10 minutes later.  
-When the coating is so hardened that it does not move as you touch with your finger, it can be readjusted by using a trowel.  
-Sponge clover is done briefly by wetting the surface approximately 30 minutes after correction operation.  
-After the plaster reaches a certain level of hardness, the surface is corrected with a steel trowel.  
-Polishing operation is done approximately 120 minutes later with a steel trowel.  
-Appropriate plaster mesh should be used on points where different materials join together.  
-Newly coated surface shouldn't be dried by using heaters. The best method for drying is to ventilate the environment. Every part of the coating shall be dried equally by this way.  
-Coating surface should be protected from the wind so as not to be dried quickly

**Storage conditions**

-Bags must be stored in a dry place and to a height that does not exceed 18 bags. Bags must be stored so as not to contact with the ground in order them to be protected against humid. NIVAGIPS MACHINE PLASTER stored as described above must be used within 12 months as of the production date. Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

General Information	
Physical form	White, powder
Shelf life	See storage conditions
Packaging	25-30-35 kg polypropylen laminated bag
Application features	
Application temperature Between	+5 °C and +35 °C
Mixture ratio	5-5.5 L water/10 kg powder
Time to readjust Max.	60 minutes
Time to use devil float	90 - 120 minutes
Time to use steel trowel	120 - 150 minutes
Application thickness For ceilings min.	8 mm, max. 10mm for other surfaces 10-20mm(for a single coat)
Setting Time min.	50 minutes
Consumption	8.5 - 9 kg/m² (for 10 mm thickness)
Performance details	
Bending Strength	≥ 1 N/mm²
Compressive Strength	≥ 2 N/mm²
Adhesion Endurance	≥ 0.1 N/mm²
Calcium Sulphate percentage	≥ %50
Setting time start	≥ 50 minutes
Heat Resistance	≤ 0.34 W/(m·K)
Insulating the sound spreading through the air	N PD Dry
Surface Stiffness	≥ 40 SHORE D
Reaction to Fire	A1
Temperature resistance Between	-30°C and +60°C
Note: The application features have been determined in consequence of the tests conducted in laboratory environment (23 ± 2 °C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients.	
Reference standards	
TS EN 13279-1 B4/50/2	
CE	



### Nivagips SATIN FINISH PLASTER 9333



#### Definition

It is an under-paint top coat finishing plaster applied over plaster boards or gypsum-plastered walls (finish plaster).

#### Area of application

-It is applied on brown coat, gypsum plaster, gypsum block wall, plaster board, exposed concrete, and dirty or painted surfaces.

#### Application features

-Using period: 90 minutes  
-Application thickness: Min. 1 mm, max. 2 mm  
-Setting Time: Min. 60-90 minutes  
-An inflammable construction material.  
-Never allows bacterial or fungi growth.  
-It fills in spaces and roughnesses on the surface.  
-It provides a surface on which any paint or decorative coating can be applied, by making it a satin-like smooth surface.  
-It provides a smooth and hard surface thanks to its special granulation.

#### Surface preparation

-The application surfaces must be cleared of dust,

dirt, oil, etc. that prevent adherence.

#### Application conditions

-Ambient temperature should be between +5 °C and +30°C  
-Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours.  
-Do not apply on surfaces under direct sun or strong wind, or hot surfaces.  
-The surface must be finished applying the Satin Finish Plaster immediately after the under-surface operations have been completed.  
-The newly applied surfaces must be protected against water contact definitely.

#### Warnings and advices

-Pay attention to the water/plaster ratio of the mix. Otherwise, it may cause spalling, cracks or strength reduction.  
-Do not apply in very hot, dry or windy environments. If applied in very hot environments, it may cause spalling, cracks and strength reduction consequently.  
-Pay attention to the product storing conditions. Do not keep the product in humid or very hot places.  
-In case any petrification is found out in the

bag, do not use the product.

-Do not breath its powder since it consists of various chemical additives and plaster. Avoid contact with skin and eyes. In case of contact, wash your skin/eyes with plenty of water. Use protective equipment such as mask, gloves etc. during the works.

#### Application tools

Hand mixer, steel trowe

#### Application

-The container in which the mortar will be prepared must be clean and cleared of the remnants of the previous mixture.  
-It is necessary to pay attention to cleanliness of the water and materials used.  
-The water used in the mixture should not be salty, acidic or oily. The water temperature must be between 17 °C and 23 °C.  
-The mortar must be prepared by using 6,75-7,25 liters of water and 10 kg of ARKIM NIVAGIPS SATIN.  
-Water is poured into the container, and then ARKIM NIVAGIPS SATIN is added. The plaster is

given 2-3 minutes to absorb the water.

-The plaster is mixed until a homogeneous consistency is achieved by mixing with a trowel or hand mixer.  
-If you are using a mechanical mixer, it must be used at a low speed.  
-No water or plaster should be added into the mortar during or after mixing to prevent lump formation.  
-Pay attention to cleanliness of materials to be used in application.  
-Do not mix any other product or materials into ARKIM NIVAGIPS SATIN FINISHING COAT.  
-The mortar ready for the application is applied by pressing on the surface by a clean trowel.  
-The marks are removed by the edge of the steel trowel after the plaster begins to set.  
-After the plaster has dried, it is sandpapered.  
-The application thickness must remain between 1 mm and 2 mm.

#### Storage conditions

-Bags must be stored in a dry place and to a height that does not exceed 18 bags. Bags must be stored so as not to contact with the ground in order them to be protected against humid. ARKIM NIVAGIPS SATIN FINISHING COAT stored as described above must be used within 12 months as of the production date. Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

### Nivagips PLASTER OF PARIS 9433



#### Definition

It is a building plaster used for interior decoration.

#### Area of application

-Used in the applications with the purpose of enrichment and decoration of indoors such as crown molding, curtain board, ceiling spotlights, column and ceiling floor etc.

#### Application Features

-Freezing time: min. 8 minutes (with cutting method)  
-NIVAGIPS PARIS is a high-strength, white, smooth, building plaster that can be easily applied to paint and gives an aesthetic appearance to the surfaces on which it is applied. It is also very suitable for mold manufacturing in the ceramic industry.  
-The usage time allows for comfortable and waste-free application.  
-It provides suitable working opportunity thanks to its thinness, whiteness and freezing time. -It can also be applied in construction plaster usage areas.

#### General Information

Physical form	White, powder
Shelf life	See storage conditions
Packaging	25-30 kg polypropylen laminated bag
<b>Application features</b>	
Application temperature Between	+5° C and +35°C
Mixture ratio	6,75 - 7,25 L water/10 kg powder
Using period	90 minutes
Setting Time Min.	20 minutes
Application thickness Min.	1 mm, max. 2 mm
Consumption	1 kg/m² (for 1 mm thickness)

#### Performance Details

Bending Strength	≥ 1 N/mm²
Compressive Strength	≥ 2 N/mm²
Calcium Sulphate percentage	≥ %50
Setting time start	≥ 20 minutes
Determination of fineness(1500µ)	≤ %0
Heat Resistance	≤ 0,3 W/(m.K)
Insulating the sound spreading through the air NPD Dry Surface Stiffness ≥ 40 SHORE D	
Reaction to Fire	A1
Temperature resistance Between	-30°C and +60°C

Note: The application features have been determined in consequence of the tests conducted in laboratory environment (23 ± 20 C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients

#### Reference standards

TS EN 13279-1 C1/8  
CE

#### Surface preparation

-The application surfaces must be cleared of dust, dirt, oil, etc. that prevent adherence.  
-It is necessary to make sure that the surface has been cured and robust.

#### Application conditions

-Ambient temperature should be between +5 °C and +30 °C -Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours.  
-The newly applied surfaces must be protected against water contact definitely.  
-Do not apply on surfaces under direct sun or strong wind, or hot surfaces.

#### Warnings and advices

-Pay attention to the water/plaster ratio of the mix. Otherwise, it may cause spalling, cracks or strength reduction.  
-Do not apply in very hot, dry or windy environments. If applied in very hot environments, it may cause spalling, cracks and strength reduction consequently.  
-Pay attention to the product storing conditions. Do not keep the product in humid or very hot

places.

-In case any petrification is found out in the bag, do not use the product.  
-Do not breath its powder since it consists of various chemical additives and plaster. Avoid contact with skin and eyes. In case of contact, wash your skin/eyes with plenty of water. Use protective equipment such as mask, gloves etc. during the works.

#### Application tools

Hand mixer

#### Application

-The container in which the mortar will be prepared must be clean and cleared of the remnants of the previous mixture.  
-The water used in the mixture should not be salty, acidic or oily. The water temperature must be between 17 and 23 °C.  
-The mortar must be prepared by using 7 kg of water and 10 kg of NIVAGIPS PARIS. -Water is poured into the container, and then NIVAGIPS PARIS is added. The plaster is given 2-3 minutes to

absorb the water.

-The plaster is mixed until a homogeneous consistency is achieved by mixing with a trowel or hand mixer.  
-If a hand mixer is used, operate the hand mixer in low speed since the operating speed can affect the setting time.  
-In the mixing container, the mortar is mixed until a homogeneous flowing consistency is achieved.  
-No water or plaster should be added into the mortar during or after mixing to prevent lump formation.  
-Do not mix any other product or materials into NIVAGIPS PARIS .  
-The mold of the mortar must be cleaned and placed on a surface enabling to vibrate the mold easily.  
-The mold surface is lubricated with an appropriate lubricant to ensure smooth removal of the plaster from the mold.  
-The mortar is poured into the mold and ensured to cover the inside of the mold completely.  
-Hemp is added if necessary to increase the strength.  
-The surroundings of the mold is cleaned when the plaster begins to set.  
-The plaster in the mold will begin to warm. After the warming period, the plaster is unmolded.  
-The unmolded plaster is kept in the ambient temperature until it dries out. This will prevent breakage and cracks during installation.  
-The mortar to be used in order to bond the mould can be prepared by using NIVAGIPS PARIS in the same way.

#### Storage conditions

-Bags must be stored in a dry place and to a height that does not exceed 18 bags. Bags must be stored so as not to contact with the ground in order them to be protected against humid. NIVAGIPS PARIS stored as described above must be used within 12 months as of the production date. Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

## Nivagips PLASTERBOARD JOINT FILLER PLASTER 9533



### Definition

It is the grouting plaster used in plasterboard joints with joint tape.

### Area of application

-It is ideal to make coating on the application surfaces of plasterboards, and used in board joints with the joint tape.

### Application features

-Using period: Min. 50 minutes Setting Time: 90-120 minutes  
-Waiting time for the second layer: 120 minutes  
-Its fineness, whiteness and appropriate setting time offer an impeccable working condition.  
-Creates a smooth surface thanks to its special granulation.  
-It is pasty and can be applied easily. -There will be no cracks in joints since it has flexibility. -Never allows bacterial, mold, fungi growth.  
-Provides a healthy environment by stabilizing humidity  
Surface preparation  
-The application surfaces must be cleared of dust, dirt, oil, etc. that prevent adherence.

### Application conditions

-Ambient temperature should be between +5 °C and +30 °C  
-Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours.  
-Do not apply on surfaces under direct sun or strong wind, or hot surfaces.

### Warnings and advices

-Pay attention to the water/plaster ratio of the mix. Otherwise, it may cause spalling, cracks or strength reduction.  
-Do not apply in very hot, dry or windy environments. If applied in very hot environments, it may cause spalling, cracks and strength reduction consequently.  
-Pay attention to the product storing conditions. Do not keep the product in humid or very hot places.  
-In case any petrification is found out in the bag, do not use the product.  
-The newly applied surfaces must be protected against water contact definitely.  
-Do not breath its powder since it consists of various chemical additives and plaster. Avoid

contact with skin and eyes. In case of contact, wash your skin/eyes with plenty of water. Use protective equipment such as mask, gloves etc. during the works.

### Warnings and Suggestions

-Pay attention to the water / plaster ratio of the mixture. Otherwise, deterioration of this ratio may cause spills, cracks and low strength.  
-Do not apply in very hot, dry and windy environments. As a result of applications to be made in extremely hot environments, spills, cracks and loss of strength may occur. -  
Pay attention to product storage conditions. Products should not be stored in humid and very hot environments.  
-It should never be used when there are situations such as petrification in the bag.  
-Applied surfaces should never come into contact with water.  
-Dust should not be inhaled as it contains various chemical additives and gypsum. It should not come into contact with skin and eyes. In case of contact, wash with plenty of water. Work clothes such as masks and gloves should be used during work.

### Application tools

Hand mixer, spatula, steel trowel

### Application

-The container in which the mortar will be prepared must be clean and cleared of the remnants of the previous mixture.  
-It is necessary to pay attention to cleanliness of the water and materials used. The water temperature must be between 17 and 23 °C  
-The mortar must be prepared by using 6.25- 6.75 liters of water and 10 kg of ARKİM NIVAGIPS BACKFILL.  
-Water is poured into the container, and then ARKİM NIVAGIPS BACKFILL is added. The plaster is given 2-3 minutes to absorb the water.  
-The plaster is mixed until a homogeneous consistency is achieved by mixing with a trowel or hand mixer.  
-If a hand mixer is used, operate the hand mixer in low speed since the operating speed can affect the setting time.  
-In the mixing container, the mortar is mixed until a homogeneous pasty consistency is achieved.  
-Do not mix any other product or materials into ARKİM NIVAGIPS BACKFILL.  
-No water or plaster should be added into the mortar during or after mixing. -The mortar ready for the application is applied using a clean trowel. The spaces between the wall joints and plasterboards are filled through a pre-filling process. The joint tapes are placed as aligned to the centerline of the boards before the application.  
-The first coat of the homogeneous mixture is applied on the joint tape, and this coat is smoothed after drying out. The second coat is applied on the plasterboard. After the surface has dried, it is sandpapered.  
-The surface is finished with ARKİM NIVAGIPS SATIN.  
-After the application, the surface becomes smooth, bright and ready for painting.

### Storage conditions

-Bags must be stacked in a dry place and to a height that does not exceed 18 bags. Bags must be stored so as not to contact with the ground in order them to be protected against humid. ARKİM NIVAGIPS BACKFILL stored as described above must be used within 12 months as of the production date. Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

## Nivagips PLASTERBOARD ADHESIVE GYPSUM 9633



### Definition

It is a highly flexible bonding plaster with high bonding strength that binds plasterboards on the surfaces like concrete, gas concrete, and brick, and thus provides flexible and decorative visuality.

### Area of application

-Used for covering the existing wall surfaces with plaster boards, bonding polystyrene materials, rock wools and insulation boards onto walls and other construction components, and filling the spaces where the wall and the ceiling joint.

### Application features

-Using period: Min. 60 minutes Setting Time: 80-90 minutes  
-Bonds strongly. -Its strength increases quickly after setting.  
-Easily applied.  
-Never allows bacterial, mold, fungi growth.  
-Provides a healthy environment by stabilizing humidity

### Surface preparation

-The application surfaces must be cleared of dust, dirt, oil, etc. that prevent adherence.  
-The surface must be wet in dry and hot weather conditions. -The smooth surfaces must be roughened before the application by using ARKİM ARKONTAK.

### Application conditions

-Ambient temperature should be between +5 °C and +30 °C -Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours.  
-The newly applied surfaces must be protected against water contact definitely.  
-Do not apply on surfaces under direct sun or strong wind, or hot surfaces.

### Warnings and advices

-Pay attention to the water/plaster ratio of the mix. Otherwise, it may cause spalling, cracks or strength reduction.  
-Do not apply in very hot, dry or windy environments. If applied in very hot environments,

it may cause spalling, cracks and strength reduction consequently.  
-Pay attention to the product storing conditions. Do not keep the product in humid or very hot places. -  
In case any petrification is found out in the bag, do not use the product.  
-Do not breath its powder since it consists of various chemical additives and plaster. Avoid contact with skin and eyes. In case of contact, wash your skin/eyes with plenty of water. Use protective equipment such as mask, gloves etc. during the works.

### Application tools

Hand mixer, trowel, steel trowe

### Application

-The container in which the mortar will be prepared must be clean and cleared of the remnants of the previous mixture.  
-It is necessary to pay attention to cleanliness of the water and materials used. The water temperature must be between 17 and 23 °C. -The

mortar must be prepared by using 5.75-6.25 liters of water and 10 kg of ARKİM NIVAGIPS FIX.  
-Water is poured into the container, and then ARKİM NIVAGIPS FIX is added.  
-The plaster is given 2-3 minutes to absorb the water.  
-The plaster is mixed until a homogeneous consistency is achieved by mixing with a trowel or hand mixer.  
-If you are using a mechanical mixer, it must be used at a low speed.  
-No water or plaster should be added into the mortar during or after mixing to prevent lump formation.  
-Pay attention to cleanliness of materials to be used in application.  
-Do not mix any other product or materials into ARKİM NIVAGIPS FIX. -It must be ensured that the application surface is moistened prior to application.  
-Application on smooth surfaces like concrete, gas concrete, etc. can be made by applying the bonding plaster by comb trowel.  
-It is used in the form of groups on non-smooth surfaces like brick, stone, briquette, etc.  
-After the bonding plaster has been applied, the plasterboard is pressed unto and affixed to the application surface. The boards are pressed unto the wall using floating rule.  
-The similar process is applied to the other materials to be stuck to the wall.

### Storage conditions

-Bags must be stored in a dry place and to a height that does not exceed 18 bags. Bags must be stored so as not to contact with the ground in order them to be protected against humid. ARKİM NIVAGIPS FIX stored as described above must be used within 12 months as of the production date. Inappropriate storage or exceeding the expiry date may deteriorate the properties of the product.

General Information	
Physical form	White, powder
Shelf life	See storage conditions
Packaging	25 - 30 - 35 kg polypropylen laminated bag
Application Features	
Application Temperature	+5 °C to +35 °C
Mixing Ratio	5.5 - 6 L water/10 kg powder
Usage Time	100 - 120 minutes
Freezing Time minimum	20 minutes
Second gauge usage time	60 - 80 minutes
Application Thickness minimum	10 mm - maximum 20 mm
Consumption	7.5 - 8kg/m² (for 10 mm thickness)
Performance Details	
Compressive Strength	≥ 2 N/mm²
Calcium Sulphate percentage	≥ %30
Setting time start Normal Adhesion Endurance	≥ 0,1 N/mm²
Heat Resistance	≤ 0,3 W/(m/K)
Insulating the sound spreading through the air	NPD
Dry Surface Stiffness	≥ 55 SHORE D
Reaction to Fire	A1
Temperature resistance Between	-30 °C and +60° C
Note: The application features have been determined in consequence of the tests conducted in laboratory environment (23 ± 2°C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients.	
Reference Standarts	
TS EN 13963 3B	
CE	

General Information:	
Physical form	White, powder
Shelf life	See storage conditions
Packaging	30 kg polypropylen laminated bag
Application Features	
Application temperature Between	+5° C and +35°C
Mixture ratio	5,75 - 6,25 L water/10 kg powder
Using period Max.	60 minutes
Setting Time	15 - 60 minutes
Consumption	1 - 1,5 kg/m²
Performance Details	
Compressive Strength	≥ 2 N/mm²
Calcium Sulphate percentage	≥ %30
End of the using period	≥ 60 minutes
Adhesive Strength	≥ 0,06 MPa
Heat Resistance	≤ 0,3 W/(m/K)
Insulating the sound spreading through the air	NPD
Dry Surface Stiffness	≥ 50 SHORE D
Reaction to Fire	A1
Temperature resistance Between	-30°C and +° C
Note: The application features have been determined in consequence of the tests conducted in laboratory environment (23 ± 2°C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance with the relevant standard of the product, and different results may be observed in different ambients.	
Reference Standarts	
TS EN 14496	
CE	







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