



Innovations for Life

**STRENGTH
BEHIND
CONSTRUCTION**



arkim



aralçı



artherm



arcalite



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.

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 Arslanlı A.Ş.

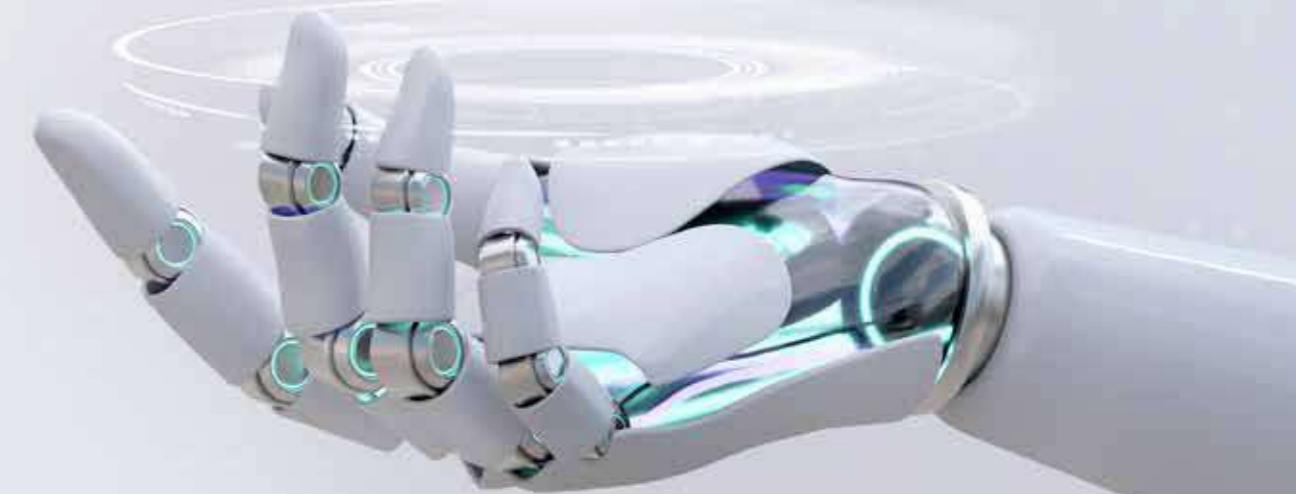
Master at construction...

Having institutionalized its over 100 years of experience and accumulation in construction, mining, industry and manufacturing sectors with Arslanlı A.Ş in the year 2005, our company's first gift to our sector was the Aralçı brand. Having started of with a great excitement and care with the Aralçı brand, Arslanlı A.Ş has advanced on its way by adding the Arkim brand into its product range in the year 2007. Thus, Arslanlı A.Ş, which had entered the plaster sector with Aralçı, 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, Arslanlı A.Ş has become the follower and setter of the criteria required to meet for sectoral leadership. With the works done, Arslanlı 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, Arslanlı A.Ş plans and implements all its targets with this approach. Having targeted leadership of the building chemicals sector for Arkim brand, Arslanlı A.Ş has achieved this target through its advances and works in the year 2014. Offering a larger product range in the year 2015, Arslanlı A.Ş has enhanced its effectiveness and availability in the market by producing also new products through R&D efforts. As Arslanlı 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

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. Arslanlı 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 Arslanlı 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, Arslanlı 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...*



arslanlı

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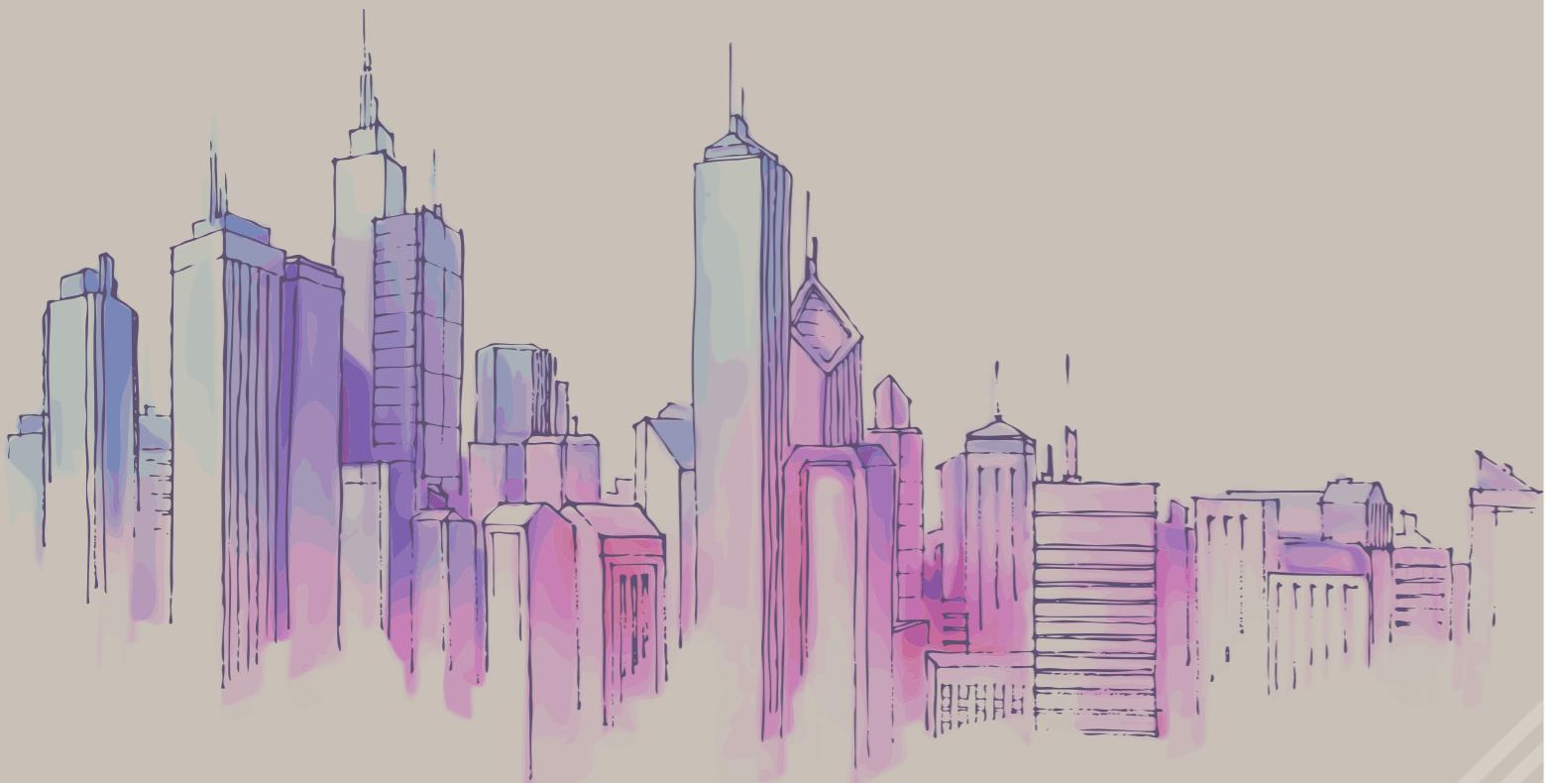
arselans

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01 | ARKİM | ADHESIVES

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**

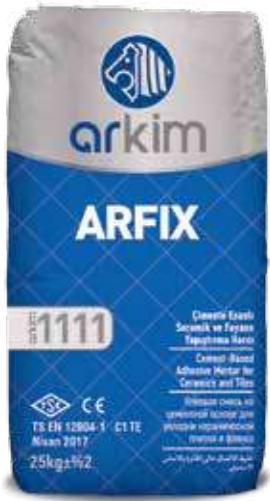
Arkim **ARBLOCK**

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 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.
-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.
-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.

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.

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.

Warnings and advices

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

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 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



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.

Warnings and advices

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

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 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 PLUS during application; in case of film formation, ARKIM ARFIX PLUS must be notched again.

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.

the water and materials used.

-The grout must be prepared by using 75-85 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.

-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/mm ²
Initial tensile/adhesion strength	≥0.5 N/mm ²
Tensile/adhesion strength after water submersion	≥0.5 N/mm ²
Tensile/adhesion strength after thermal aging	≥0.5 N/mm ²
Tensile/adhesion strength after freeze-thaw cycles	≥0.5 N/mm ²
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: C1TE (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

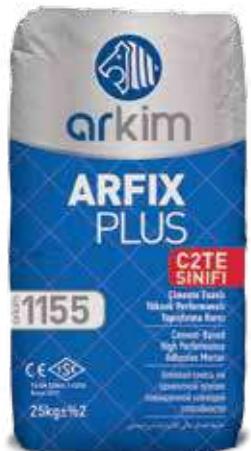
Tensile/adhesion strength after keeping open (30 min.)	≥0.5 N/mm ²
Initial tensile/adhesion strength	≥1 N/mm ²
Tensile/adhesion strength after water submersion	≥1 N/mm ²
Tensile/adhesion strength after thermal aging	≥1 N/mm ²
Tensile/adhesion strength after freeze-thaw cycles	≥1 N/mm ²
Shift	≤0.5 mm

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: C2TE(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

ARKIM ARREPAIR THICK
-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

General information

Physical form

Gray, white powder and white liquid component

See storage conditions

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 Flexibility ≥1 N/mm²
Shift
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



Arkim ARFIX POOL 1166-1177

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

-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 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.

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.

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 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.

-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

Surface preparation

ARKIM ARFIX POOL application surfaces must

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.

General information

Physical form

White, powder

Shelf life

See storage conditions

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/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

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

**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

General Information

Appearance Grey-White, Powder
Shelf Life See.
Packaging

Application Features

Application Temperature	(+5 °C) to (+35 °C)
Mixing Ratio	85-9.5 L water/25 kg powder
Usage Time	5 hours maximum Uptime (on ground) minimum
Fix-up Time (on ground) minimum	30 minutes
Commissioning Time (time to traffic)	15 minutes
	24 hours on Wall - 48 hours on Floor See Notched Trowel Size and Consumption Table

Performance Information

Tensile Adhesion Strength After Opening (30 minutes)	≥0.5 N/mm ²
Tensile Adhesion Strength	≥1 N/mm ²
Tensile Adhesion Strength After Immersion	≥1 N/mm ²
Tensile Adhesion Strength After Heat Aging	≥1 N/mm ²
After Freeze-Thaw Cycles Tensile Adhesion Strength	≥1 N/mm ²
Slip	≤0.5 mm
Flexibility	≥5 mm
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: 04.013/1

**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

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

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.

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.

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

Storage conditions

The prepared mortar must be consumed within 5 hours.

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.

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).

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. 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 (-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% relative 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

**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 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.

-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.
-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.
-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.
-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.

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.

-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.

-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

**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.

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

Application

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

-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 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

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
Readjusting period(floors) min.	5 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/mm ²
Initial tensile/adhesion strength	≥1 N/mm ²
Tensile/adhesion strength after water submersion	≥1 N/mm ²
Tensile/adhesion strength after thermal aging	≥1 N/mm ²
Tensile/adhesion strength after freeze-thaw cycles	≥1 N/mm ²
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

General information

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

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
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Performance details

Tensile/adhesion strength after keeping open(10 min)	≥0,5 N/mm ²
Initial tensile/adhesion strength	≥0,1 N/mm ²
Tensile/adhesion strength after water submersion	≥0,1 N/mm ²
Tensile/adhesion strength after thermal aging	≥0,5 N/mm ²
Tensile/adhesion strength after freeze-thaw cycles	≥0,5 N/mm ²

Shift	≤ 0,5 mm
Temperature resistance	(-30°C) ile (+70°C) between

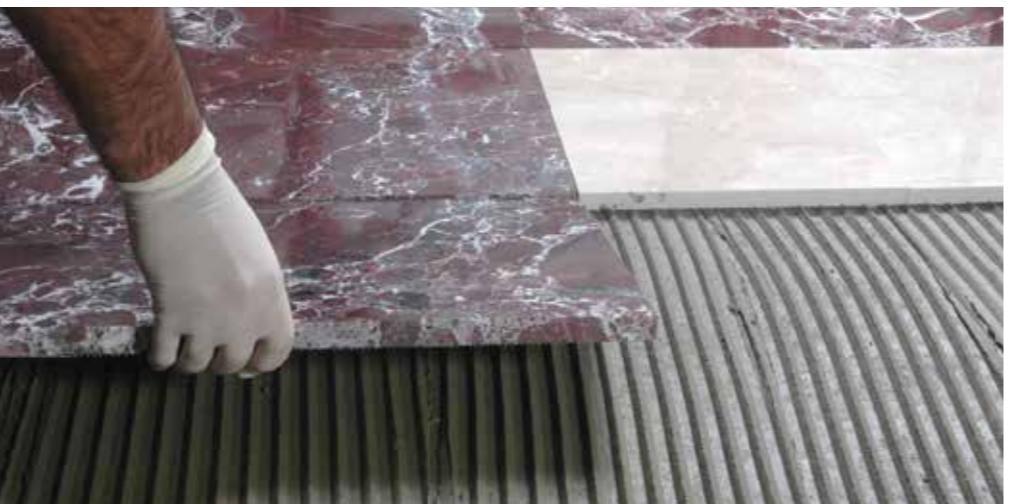
Note: The application features have been determined in consequence of the tests conducted in laboratory environment (23 ± 2°C and 50% ± 5 humidity, and no air current), and thus, they may vary by different ambient conditions. The performance details have been tested in the ambients specified in accordance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



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.

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.
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Performance details

Tensile/adhesion strength after keeping open30 min.)	≥0.5 N/mm ²
Initial tensile/adhesion strength	≥1 N/mm ²
Tensile/adhesion strength after water submersion	≥1 N/mm ²
Tensile/adhesion strength after thermal aging	≥1 N/mm ²
Tensile/adhesion strength after freeze-thaw cycles	≥1 N/mm ²
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



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.
-Firstly, water is poured into the container, and then the powder is added slowly; they are mixed until a homogeneous mixture is obtained.
-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.
-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 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
-Finally, it is used in the places such as malls, business centers, hospitals, schools, etc. where there is heavy foot traffic.

Storage conditions

-It is necessary to take care not to put more than 10 Kraft bags on top of each other in storage.
-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).
-Under such conditions, the product can be stored for 12 months as of the production date.
-The tiles must be fixed to the notched mortar by applying force with rubber hammer within 30 minutes.

Warnings and advices

-Strictly avoid adding foreign substances.
-After the application, all tools used must be washed with water before letting them dry
-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).
-Under such conditions, the product can be stored for 12 months as of the production date.
-The tiles must be fixed to the notched mortar by applying force with rubber hammer within 30 minutes.

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

Application tools

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

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

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

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	
Using period max.	5 hours
Workable period(floors) min.	30 minutes
Readjusting period(floors) min.	15 minutes

Performance details

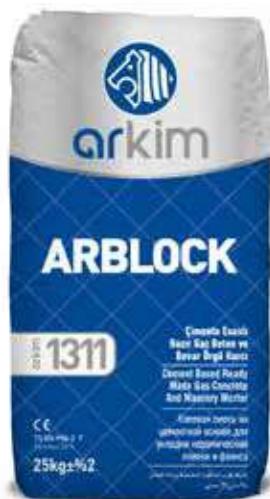
Tensile/adhesion strength after keeping open(30 min.)	≥0.5 N/mm ²
Initial tensile/adhesion strength	
Tensile/adhesion strength after water submersion	≥1 N/mm ²
Tensile/adhesion strength after thermal aging	≥1 N/mm ²
Tensile/adhesion strength after freeze-thaw cycles	≥1 N/mm ²
Shift	≤0.5 mm
Temperature resistance	(-30°C) ile (+70°C).

Reference standards

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

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



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.

-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.

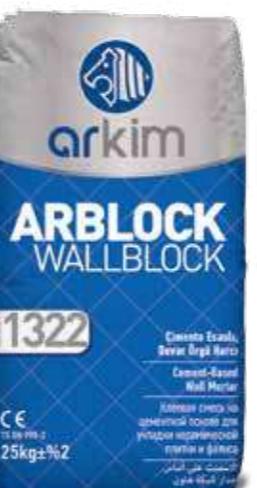
-After the mixture has become homogeneous, never add powder, water or another material. -The adhesive must be spread all over the surface and applied in the same thickness by notching with 10 x 10 x 10 mm notched trowel.

-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.



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.

-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

-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.

-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.

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 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: 04:478

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	≥ 2.5 kg/m² dk 0.5
Water vapor permeability	15/20
Basinç 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 Standards

TS EN 998-2:GP

CE

Ministry of Public Works Pos. No: 04:478



Notched Trowel Size and Consumption Chart for Ceramic Tile Adhesives

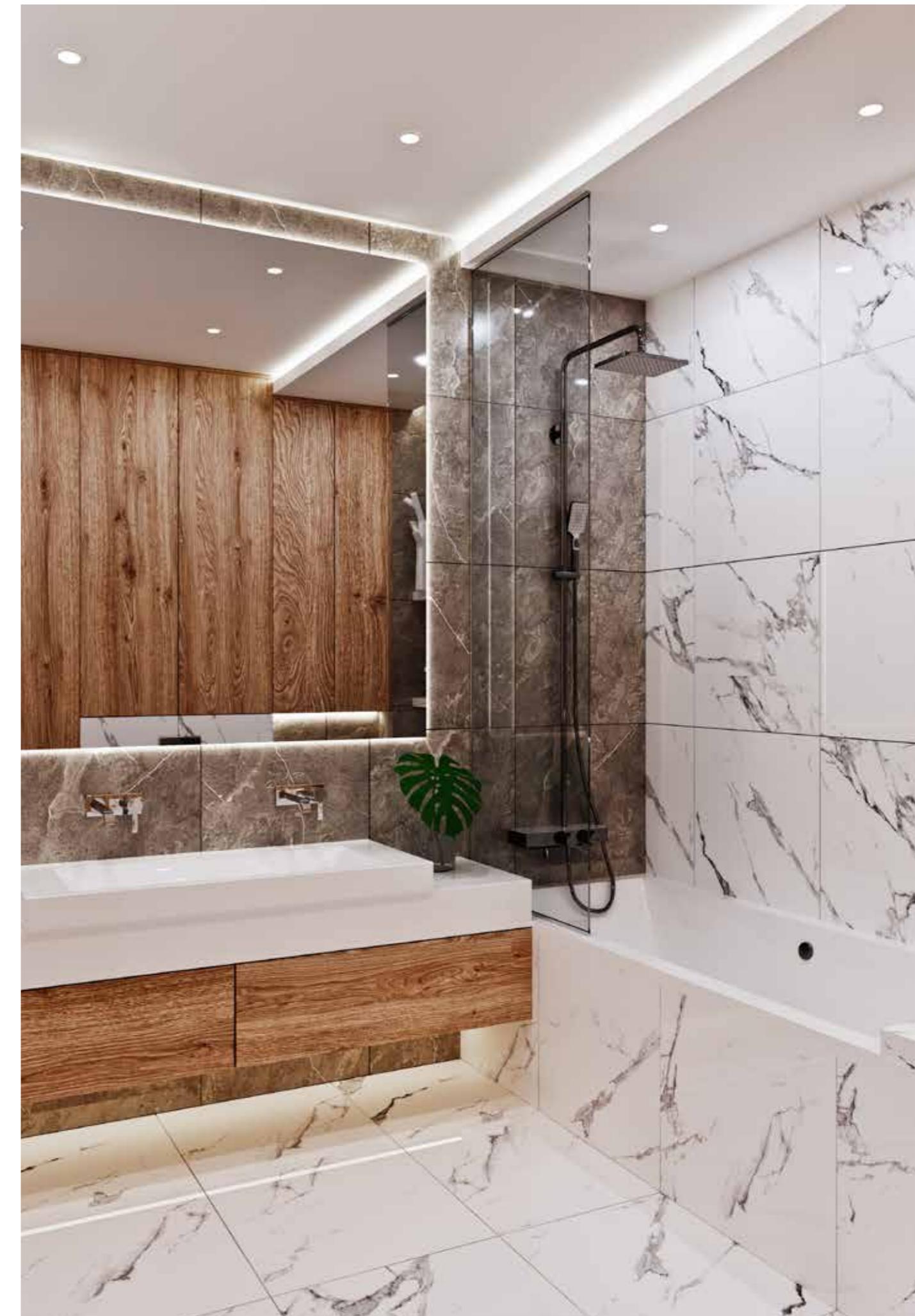
Tile Size	Notched Trowel Size	Consumption
<5 cm	3 mm	2 kg/m ²
5-10 cm	4 mm	2-3 kg/m ²
10-20 cm	6 mm	4 kg/m ²
20-40 cm	8 mm	5-6 kg/m ²
>40 cm	10 mm	7-8 kg/m ²

Notched Trowel Size and Consumption Chart for Ceramic Tile Adhesives

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

ARBLOCK WALLBLOCK Consumption table

	width(mm)	Size(mm)	Height(mm)	Consumption (kg/m ²)
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



**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 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.

-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.

-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 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.

**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.

Warnings and advices

Strictly avoid adding foreign substances.

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

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 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.

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

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 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 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
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
≤ 2000 mm³
Bending strength after dry storage
≥ 25 N/mm²
Bending strength after Freeze-Thaw cycle
≥ 25 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

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
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
≤ 1000 mm³
Bending strength after dry storage
≥ 25 N/mm²
Bending strength after Freeze-Thaw cycle
≥ 25 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 grouting plaster)
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	9	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

Arkim ARSEAL TECH

Arkim ARSEAL SET

Arkim ARSEAL SET PLUS

Arkim ARSEAL CRYSTAL

Arkim ARSEAL ACRYLIC Q2

Arkim ARSEAL ACRYLIC Q3

Arkim ARSEAL ACRYLIC UV Q1

Arkim ARSEAL BITUMEN 2K

Arkim ARSEAL BITUMEN





Arkim ARSEAL TECH 3233

Definition

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

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

- 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 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

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/m ² (for 2 mm thickness)

Performance details

Tensile/adhesion strength after keeping in limewater	≥0.5 N/mm ²
Initial tensile/adhesion strength	≥0.5 N/mm ²
Tensile/adhesion strength after water submersion	≥0.5 N/mm ²
Tensile/adhesion strength after thermal aging	≥0.5 N/mm ²
Tensile/adhesion strength after freeze-thaw cycles	≥0.5 N/mm ²
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



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 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.

- Do not apply on frozen, melting surfaces.

- Do not apply 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.

- 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

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 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
Time 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/m ² (for 1 mm thickness)

Performance details

Tensile/adhesion strength after keeping in limewater	≥0.5 N/mm ²
Initial tensile/adhesion strength	≥0.5 N/mm ²
Tensile/adhesion strength after water submersion	≥0.5 N/mm ²
Tensile/adhesion strength after thermal aging	≥0.5 N/mm ²
Tensile/adhesion strength after freeze-thaw cycles	≥0.5 N/mm ²
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: 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

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/m ² (for single coat)

Performance details

Tensile/adhesion strength after keeping in limewater	≥0,5 N/mm ²
Initial tensile/adhesion strength	≥0,5 N/mm ²
Tensile/adhesion strength after water submersion	≥0,5 N/mm ²
Tensile/adhesion strength after thermal aging	≥0,5 N/mm ²
Tensile/adhesion strength after freeze-thaw cycles	≥0,5 N/mm ²
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: 04.477/2



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 still 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 screen, 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
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/25 kg 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.

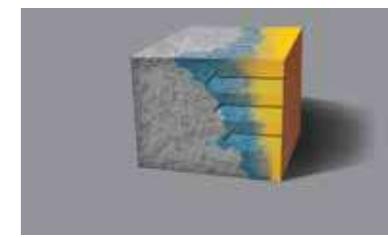
7 days under positive pressure Min. 14 days under negative pressure.

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 °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: 04.477/2



**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 ARREPAIRTHIN
-ARKIM ARREPAIRTHICK 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

General information

Physical form	White or 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/m ² (for 2-3 coats)
Performance details	
Tensile/adhesion strength after keeping in limewater	≥0.5 N/mm ²
Initial tensile/adhesion strength	≥1 N/mm ²
Tensile/adhesion strength after water submersion	≥1 N/mm ²
Tensile/adhesion strength after thermal aging	≥0.5 N/mm ²
Tensile/adhesion strength after freeze-thaw cycles	≥0.5 N/mm ²
Watertightness	≤ 20 g
Crack bridging	≤ 2 mm
Temperature resistance Between -	30 °C and +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

**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.

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

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

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/m ² (for 2-3 coats)
Performance details	
Tensile/adhesion strength after keeping in limewater	≥0.5 N/mm ²
Initial tensile/adhesion strength	≥1 N/mm ²
Tensile/adhesion strength after water submersion	≥0.5 N/mm ²
Tensile/adhesion strength after thermal aging	≥0.5 N/mm ²
Tensile/adhesion strength after freeze-thaw cycles	≥0.5 N/mm ²
Watertightness	≤ 20 g
Crack bridging	≤ 2 mm
Temperature resistance Between -	30 °C and +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/DMP / Class: CM (Single component elastomeric waterproofing mortar based resin)

CE

Ministry of Public Works Pos. No.: 04.509

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.

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/(m²·h^{0,5}) elongation at break% 200

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.

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

**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.

General information

Physical form

Shelf life

Packaging

Application features

Application temperature Between

- 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 ARIM ARREPAIR THIN

- ARIM ARREPAIR THICK or fine sand at the rate of 1:4.

- Prior to application, the surface must be primed with ARIM 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 ARIM 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.

**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.

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

35-4 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

10-12 hours

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

Reference standards

TS EN 14891/DMP / Class: CM(Single component elastomeric waterproofing mortar based resin)

CE

Ministry of Public Works Pos. No: 04477/2

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. (23°C temperature and 50% humidity)
- Application ground temperature: +5°C to +30°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 adhesion. 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 THICK repair mortar with a radius of at least 4 cm. Tie Rod holes should be opened on the shear walls and filled with POLYMATIC. 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.

Application

Tools Apply with brush.

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.

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 pH 9 ± 1
Viscosity	20000 ± 2500 mPas
Heat Resistance	-15°C and +80°C
Water Absorption	30 gr/m²h1/2
Water Vapor Permeability Sd	< 0.10
Breaking Elongation At Least	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 (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





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04 | **ARKİM** | Concrete Group

Arkim **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 abrasionproof 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

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.

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.

corrosion, salt efflorescence, etc. that will reduce the adherence must be cleared before the application.

-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

surface preparation is still wet.

-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

surface preparation is still wet.

-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

surface preparation is still wet.

-Usage in Plaster Mortars: ARKIM ARLATEX/Water:

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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

surface preparation is still wet.

-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

surface preparation is still wet.

-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

surface preparation is still wet.

-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

surface preparation is still wet.

-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

surface preparation is still wet.

-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

surface preparation is still wet.

-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

surface preparation is still wet.

-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



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05 | **ARKİM** | Surface Preparation

Arkim **ARREPAIR THIN**

Arkim **ARREPAIR THICK**

Arkim **ARREPAIR GROUT**

Arkim **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 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/mm ²
Adhesive strength	≥ 0.8 N/mm ²
Capillary water absorption	≥ 0.5 kg/m ² 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



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

Surface preparation

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

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/mm ²
Adhesive strength	≥ 0.8 N/mm ²
Capillary water absorption	≥ 0.5 kg/m ² 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

**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 moistened 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 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 4.5-5 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.

**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 tools

Hand mixer/plastic 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	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	4.5-5 L water/25 kg powder
Using period Max.	45 minutes
Workable period Max.	20 minutes
Application thickness	Min. 10 mm, 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: 04.613/33

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 ± 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.	



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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 Izostar

ARSELANS Izostar 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

**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.

- S2/25 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.

- Do not 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.

**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. - S2/25 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.

General information

Physical form White

Shelf life: See storage conditions

Packaging 0-175 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

General information

Physical form White

Shelf life: See storage conditions

Packaging 10-175 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

**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 N
Note: Application properties are in the laboratory environment ($23 \pm 2^\circ\text{C}$ and $50\% \pm 5\%$ 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 $+5^\circ\text{C}$ and $+35^\circ\text{C}$.
- 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.

Storage Conditions

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

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 $+5^\circ\text{C}$. Application tools should be washed with water immediately after use.**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 N
Note: Application properties are in the laboratory environment ($23 \pm 2^\circ\text{C}$ and $50\% \pm 5\%$ 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

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

Application conditions

- Ambient temperature between $+5^\circ\text{C}$ and $+35^\circ\text{C}$.
- 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 avoid adding foreign substances.
- 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 yet set.

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

General information

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

Note: The application features have been determined in consequence of the tests conducted in laboratory environment (23°C and 50% 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	White
Shelf life	See storage conditions
Packaging	20Kg plastic bucket
Application features	
Application Temperature Between	$+5^\circ\text{C}$ and $+35^\circ\text{C}$
Thinning (With Roller and Brush) Between	15%-20% of water
Consumption	120-140 gr per m^2 in one coat
Performance details	
Performance Information Gloss Matte Wet Rub Resistance	Class 2
Grain Size Fine Covering Power	Class 2 (5 m^2/L)

Note: The application features have been determined in consequence of the tests conducted in laboratory environment (23°C and 50% 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

**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.

**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.

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 m ² in one coat.

Performance Information

Gloss	Semi Matte
Wet Scrubbing Resistance	Class 1
Grain Size	Fine
Covering Strength Class	1 (5 m ² /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

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 m ² in one coat

Performance Information

Brightness	Matte,
Wet Rub Resistance	Class 2
Particle Size	Thin
Covering power	Class 2 (5 m ² /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 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 (m²/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 tools

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

Application

Arselans Foil is applied 18-24 hour 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.

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 this product on surfaces that have not set yet.

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.

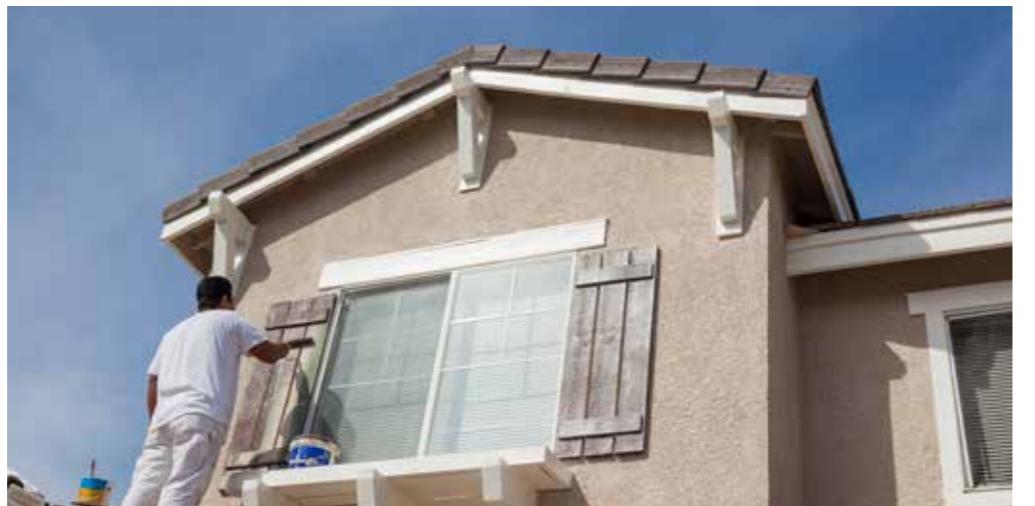
ARSELANS PEARL PAINT 6620



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

Surface preparation

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 ARREPAIRTHIN)

and ARKIM ARREPAIRTHICK).

-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, 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.

ARSELANS AKRITECH 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 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 (ARKIM ARREPAIRTHIN and ARKIM ARREPAIRTHICK).

-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.

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 5%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 G₃

Dry Film Thickness E₃

Particle Size Grade S₁

Water Vapor Transmission Rate V₂

Water Transmission Rate W₅

Crack Covering Feature A₀

CO₂ 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

Gmark

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 5%10 - 15% water

Initial dry time 1 - 2 hours

Second coat application 6 - 8 hours

Final dry time 24 hours

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 E₃

Particle Size Grade S₁

Water Vapor Transmission Rate V₂

Water Transmission Rate W₅

Crack Covering Feature A₀

CO₂ 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

Gmark

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 GRAIN 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

Façade 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.

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.

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**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 ± 20°C and 50% ± 5 humidity, and no air current), and thus, they may vary by 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 SILITECH PURE ACRYLIC PAINT 6140



Application tools
Façade 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.

Reference standards

TS 7847

G mark

Ministry of Public Works Pos. No: 27560/7 - 25.048/13

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 ARKIM ARREPAIRTHIN

- ARKIM ARREPAIRTHICK and ARKIM 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.
- The last coating material must be applied 6 hours after applying ARSELANS ARASTAR.
- Wash the application tools immediately after the application.

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.
- ARKIM 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 moistened 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.

**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/m ²
Performance details	
Relative density	1,75 g/cm ³

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
Thinning (Roller and brush) diluted water	1:7
Consumption	10-20 m ² /L depending on the absorbency of the surface 10-20 m ²
Performance details	
Resin Type	Acrylic
Color	Transparent
Density	(g/cm ³ 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 (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: 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 move. 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.

**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 Izota 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.

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	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/m ² controlled sample work is recommended for precise consumption.

Performance Information

Viscosity	260 ± 5 KU/25°C
Density	1.63 ± 0.02 gr/cm ³
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: 04.510/D

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: 15.540.1216



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/cm³ 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
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.

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.

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 ³ 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 ² /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.

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.
Application temperature should not be below	If this time period is exceeded, the floor should be roughened with sandpaper for good adhesion.
	+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 ² 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 ² floor can be painted in 3 layers with 1 liter. In a single layer, it consumes 40-70 ml/m ² . Controlled sample study should be done for definite consumption.
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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, wire 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 alkalies, 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 yet set.

Application tools

It is applied with a short hard day 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.

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, excavators, 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: 440 - 540 (Depending on color) Thinner: Industrial thinner (941-0412) Paintable Area: When applied to leave a dry film thickness of 40-45 µm 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.

Storage Conditions

It can be stored for 3 years at a temperature of 5, 35 °C, in its unopened package, in a cool and dry environment, without being exposed to direct sunlight, by protecting it from freezing.

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 440 - 540 (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 Standards

Ministry of Public Works Pos. No: 04.013/1

ARSELANS RAPID PAINT 6910



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

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/hot 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

15-2 m² area at 350 micron dry film thickness can be

painted with 1 kg.

<23°C

Flash Point
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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07 | ARKİM | Plaster Group

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



**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.

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/m ² (for 10 mm thickness)

Performance details

Compressive strength	CS IV (≥ 6 N/mm ²)
Dry bulk density	1500 ± 300 kg/m ³
Thermal conductivity Chart 2T1	≤ 0.54 W/mK (P=90%)
Adhesive strength	0.3 N/mm ² FP: A
Capillary water absorption (W0)	≤ 0.5 kg/m ² · min 0.5
Water vapor permeability coefficient	≤ 30 μ
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

**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.

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
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/m ² (for 10 mm thickness)

Performance details

Compressive strength	CS IV (≥ 6 N/mm ²)
Dry bulk density	1500 ± 300 kg/m ³
Thermal conductivity	Chart 2T1 ≤ 0.57 W/mK (P=90%)
Adhesive strength	0.3 N/mm ² FP: A
Capillary water absorption (W0)	≤ 0.5 kg/m ² · min 0.5
Water vapor permeability coefficient	≤ 30 μ
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

Warnings and Suggestions

-

-

-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.



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 ARREPAIRTHIN or

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 Lwater/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/m ² (for 2 mm thickness)

Performance details

Compressive strength	CS IV (≥ 6 N/mm ²)
Dry bulk density	1500 ± 300 kg/m ³
Thermal conductivity	Chart 2 T1 ≤ 0.57 W/mK (P=90%)
Adhesive strength	0.3 N/mm ² FP: A
Capillary water absorption (W0)	≤ 0.5 kg/m ² · min 0.5
Water vapor permeability coefficient	≤ 30 μ
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

TSEN 998-1 / Class: GP

CE



Arkim ARTHERM AD 7211



Definition

Cement-based adhesive mortar for thermal insulating boards

Application conditions

- It is necessary to make sure that the application surface is robust, self-supporting and level.
- The mortar must be prepared by using 5.5-6 liters of water and 25 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.
- The prepared mortar must be consumed within 2 hours.
- The caked mortar in the container or the mortar using period of which is over must be discharged.
- Wash your hands and application tools with plenty of water after the application.

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 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.

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 ²

Performance Details

Hollow Unit Volume Mass of Fresh Mortar	≥ 1000 kg/m ³
Sleeve analysis: Amount remaining on the sleeve with pressure Strength	1 mm mesh ≤ 1.0, Bending Strength ≥ 2 N/mm ² Compressive Strength ≥ 6 N/mm ²
Strength of Adhesion to Thermal Insulating Board	≥ 0.08 N/mm ²
Water Absorption For 30 minutes,	≤ 5g
Water Absorption For 240 minutes,	≤ 10g
Strength of Adhesion to Lower Layer	≥ 0.5 N/mm ²
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

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Ministry of Public Works Pos. No: 04480

remnants of the previous mixture.

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

-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 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.



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,

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	$\geq 0.08 \text{ N/mm}^2$
Water vapor transmission rate	V1
Water transmission rate	W1
Strength of adhesion to lower layer	$\geq 1 \text{ N/mm}^2$

Temperature resistance Between $+5^\circ\text{C}$ and $+30^\circ\text{C}$

Note: The application features have been determined in consequence of the tests conducted in laboratory environment ($23 \pm 2^\circ\text{C}$ 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.



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	$+5^\circ\text{C}$ and $+35^\circ\text{C}$
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	3-3.5 kg/m ²

Performance details

Hollow Unit Volume Mass of Fresh Mortar	$\geq 1150 \text{ kg/m}^3$
Hollow Unit Volume Mass of Hardened Cement-based Plaster	$1450 \pm 250 \text{ kg/m}^3$
Thermal conductivity	Chart 2 T1 $\leq 0.48 \text{ W/mK}$ ($P=90\%$)
Sleeve analysis: Amount remaining on the sleeve with 1 mm mesh ≤ 1.0	1 mm mesh ≤ 1.0
Thermal Conductivity	Chart 2 T1 $\leq 0.54 \text{ W/mK}$ ($P=90\%$)
Bending Strength	$\geq 2 \text{ N/mm}^2$
Compressive Strength	$\geq 6 \text{ N/mm}^2$
Strength of Adhesion to Thermal Insulating Board	$\geq 0.08 \text{ N/mm}^2$
Capillary Water Absorption	$\leq 0.5 \text{ kg/m}^2 \text{ dk.0.5}$
Water Vapor Permeability Coefficient	$\mu \leq 15$
Fire Class	A1

Temperature resistance Between -30°C and $+60^\circ\text{C}$

Note: The application features have been determined in consequence of the tests conducted in laboratory environment ($23 \pm 2^\circ\text{C}$ 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 13687

G

Ministry of Public Works Pos. No: 04.481

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

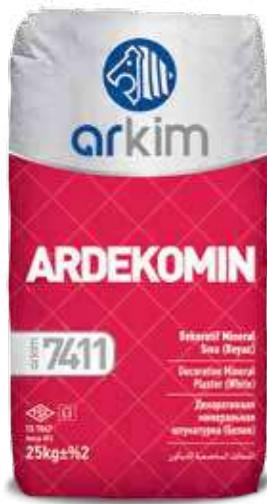
-It is necessary to take care not to put more than 10 Kraft bags on top of each other in storage.

-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.

**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.

-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 moistened 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.

**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

Storage conditions

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

- The mortar must be prepared at the rate of 25 kg ARKIM ARDEKOMIN THIN to 6,25-6,75 liters of water.
- The surface must be moistened or primed with ARKIM ARASTAR if necessary before application

-The surface is robust, self-supporting and level.
- Do not apply on frozen, melting surfaces, or surfaces likely to freeze within 24 hours.

- 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	E _s
Particle Size Grade	S ₄
Water Vapor Transmission Rate	V ₂
Water Transmission Rate	W ₁
Crack Covering Feature	A ₀
CO ₂ Permeability	C ₀
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

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	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	E _s
Particle Size Grade	S ₃
Water Vapor Transmission Rate	V ₁
Water Transmission Rate	W ₁
Crack Covering Feature	A ₀
CO ₂ Permeability	C ₀ T
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

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.

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

E₅

Particle Size Grade

S₄

Water Vapor Transmission Rate

V₂

Water Transmission Rate

W₁

Crack Covering Feature

A₀

CO₂ Permeability

C₀

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

-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.

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.

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.

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

-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

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.





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08 | **ARKİM** | Floor Systems

Arkim **ARFLOOR SL**

Arkim **ARFLOOR SL-20**

Arkim **ARFLOOR QUARTZ**



**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 foot 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 foot 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.

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
Application thickness; heavy foot traffic	3-10 mm
Consumption Approximately	1,6-1,8 kg/m ² (for 1 mm thickness)

Performance details

Compressive Strength	≥ 25 N/mm ²
Bending Strength	≥ 7 N/mm ²
Capillary Water Absorption	≤ 0,1 kg/m ² at 0,5
Adhesive Strength	≥ 1 N/mm ²
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% relative 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

**Definition**

It is a cement-based self-leveling leveling screed that can be applied between 2-20mm.

Area of Application

- Used in 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

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

Application Temperature Between	+5 °C and +35 °C
Mixing Ratio	5-5,5 L water/25 kg powder
Self-leveling Time of Mortar	15 minutes
Time Required to Open to Traffic	8-24 hours A
Application Thickness; Medium Intensity Pedestrian Traffic	2-20mm
Application Thickness; High Density Pedestrian Traffic	2-20mm
Consumption Approximately	1,6-1,8 kg/m ² (for 1 mm layer thickness)

Performance Information

Compressive Strength	≥ 25 N/mm ²
Flexural Strength	≥ 6 N/mm ²
Capillary Water Absorption	≤ 0,1 kg/m ² · min 0,5
Bond Strength	≥ 1 N/mm ²
Temperature resistance	-30 °C with +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-F6

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.

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 C25 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

-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.

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 | **ARALÇI** | GYPSUM RANGE

Aralç **PERLITE GYPSUM**

Aralç **MACHINE GYPSUM**

Aralç **ARMORE CONCENTRATE MACHINE GYPSUM**

Aralç **SATIN FINISHING COAT GYPSUM**

Aralç **MOULDING PLASTER**

Aralç **PLASTERBOARD ADHESIVE GYPSUM**

Aralç **PLASTERBOARD GROUTING PLASTER**

Aralç **PLASTERBOARD JOINT FILLER PLASTER**

Aralç **REPAIR CONSTRUCTION GYPSUM**

Aralç **CORNER PROFILE OF GYPSUM**



Aralç PERLITE PLASTER 9111

**Description**

- ARKIM ARKONTAK primer should be used, which increases the adherence to make roughening on exposed concrete, ceilings and walls.

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. 10mm max. 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 ARREPAIRTHIN or ARKIM ARREPAIRTHICK. - Care should be taken to ensure that the surface is cured and robust. - Metal surfaces should be protected against rust before applying.

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/m ² (for 10 mm thickness)

Performance Information

Bending Strength	≥ 1 N/mm ²
Compressive Strength	≥ 2 N/mm ²
Adhesion Strength	≥ 0.1 N/mm ²
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

Aralç 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 devit float: 90-120 minutes
- Time to use steel trowel: 120-150 minutes
- Application thickness: for ceilings min. 8 mm, max. 10 mm, for other surfaces 10-20 mm (for a single coat) Setting Time: Min. 50 minutes
- An inflammable construction material.
- Never allows bacterial or fungi growth.

General Information

Physical form	White, powder
Shelf life	See storage conditions
Packaging	25-30-35 kg polypropylene 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 devit float	90-120 minutes
Time to use steel trowel	120-150 minutes
Application thickness For ceilings min.	8 mm, max. 10 mm for other surfaces 10-20 mm (for a single coat)
Setting Time min.	50 minutes
Consumption	8.5-9 kg/m ² (for 10 mm thickness)

Performance details

Bending Strength	≥ 1 N/mm ²
Compressive Strength	≥ 2 N/mm ²
Adhesion Endurance	≥ 0.1 N/mm ²
Calcium Sulphate percentage	≥ 95%
Setting time start	≥ 50 minutes
Heat Resistance	≤ 0.34 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 ± 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

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 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.

**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

General Information

Physical form	White, powder
Shelf life	See storage conditions
Packaging	25 kg polypropylene 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/m ² (for 10 mm thickness)

Performance details

Bending Strength	≥ 1 N/mm ²
Compressive Strength	≥ 2 N/mm ²
Adhesion Endurance	≥ 0.1 N/mm ²
Calcium Sulphate percentage	≥ 95%
Setting time start	≥ 50 minutes
Heat Resistance	≤ 0.34 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±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

**Aralçılı ARMORE CONCENTRATED MACHINE PLASTER 9222**

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.
- Metal surfaces must be protected against rusting before application.
- Aluminum anodes must be placed perpendicular to the wall before application.
- ARGIPS 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 a 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.

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.
- The application surface must definitely be wetted immediately before application.
- ARGIPS 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 a 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.

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.

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.

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 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.

acidic or oily. The water temperature must be between 17 and 23°C.

- The mortar must be prepared at the rate of 10 kg ARGIPS 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.

- ARGIPS 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 a 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.

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,

- In case any petrification is found out in the bag,

- do not use the product.

- 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.

Application 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.

- 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.

General Information

Physical form

Shelf life

Packaging

Application features

Application temperature Between

Mixture ratio

Using period

Setting Time Min.

Application thickness Min.

Consumption

Performance Details

Bending Strength

Compressive Strength

Calcium Sulphate percentage

Setting time start

Determination of fineness(1500 μ)

Heat Resistance

Insulating the sound spreading through the air NPD Dry Surface Stiffness ≥ 40 SHORE D

Reaction to Fire

Temperature resistance 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.

Aralç 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)
-ARALÇ 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 ARKIM MOULDING PLASTER. -Water is poured into the container, and then ARKIM 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.
-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 ARKIM ARGIPS MOULDING PLASTER in the same way.

-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 ARKIM 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 ARKIM ARGIPS MOULDING PLASTER in the same way.

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 visibility.

Area of application

-Used for covering the existing wall surfaces with plaster boards, bonding polystyrene materials, rock wool 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.

Application tools

Hand mixer, trowel, steel trowel

Application

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

Definition

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.

-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	30 kg polypropylene 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

Aralç PLASTERBOARD ADHESIVE GYPSUM 9611

**General Information:**

Physical form	White, powder
Shelf life	See storage conditions
Packaging	30 kg polypropylene 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 Standards

TS EN 14496

CE

Aralç 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.

General Information

Physical form	White, powder
Shelf life	See storage conditions
Packaging	25 - 30 - 35 kg polypropylene 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	75 - 8 kg/m ² (for 10 mm thickness)

Performance Details

Compressive Strength	≥ 2 N/mm ²
Calcium Sulphate percentage	≥ 30%
Setting time start Normal Adhesion Endurance	≥ 0,1 N/mm ²
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

Aralç 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.

-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 6.25-6.75 liters of water and 10 kg of ARKIM ARGIPS BACKFILL.

-The mortar 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 sanded.

-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 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.

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 to be protected against humid. ARKIM 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.

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 ARKIM ARGIPS REPAIR.

-Water is poured into the container, and then ARKIM ARGIPS REPAIR is added. The plaster is given 2-3 minutes to absorb the water.

-The mortar 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 REPAIR.

-No water or plaster should be added into the mortar during or after mixing.

-It must be ensured that 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 smoothed using a spatula.

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/mm ²
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

**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 zinced 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

Aralçı Plaster Profiles

Technical specifications

Length	2,7 m
Edge Lengths	30 mm / 30 mm
Thickness	0,35 mm - 0,40 mm
Weight	(±5%) 0,09 kg/m - 0,100 kg/m
Packaging	100 pieces/box

**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 where 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

Aralçı CORNER PROFILES

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	

**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:

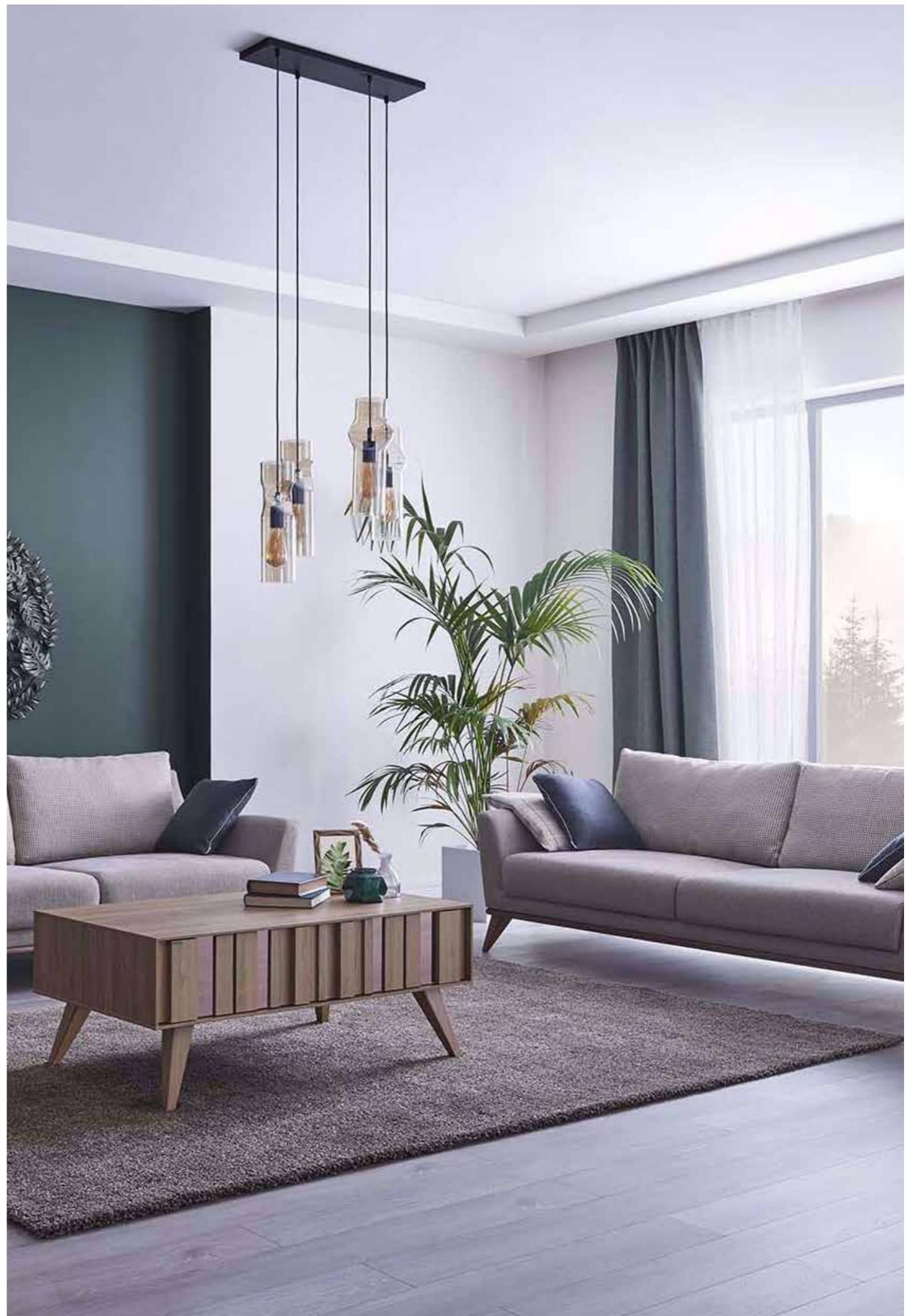
-Argips Ano Lath ensures a smooth wall surface in gypsum plaster applications. -When it is used on smooth surfaces, it allows applying gypsum plaster with a constant thickness everywhere. -It is rust-proof. -It is resistant against external factors. It is long-lasting. -It has a homogeneous surface appearance.

Surface preparation:
30 pieces

Aralçı Ano Lath

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. 10mm max. 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 ARREPAIRTHIN or ARKIM ARREPAIRTHICK.

-Care should be taken to ensure that the surface is cured and robust.

-Metal surfaces should be protected against rust

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	75-8 kg/m ² (for 10 mm thickness)

Performance Information

Bending Strength	≥ 1 N/mm ²
Compressive Strength	≥ 2 N/mm ²
Adhesion Strength	≥ 0.1 N/mm ²
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

Argips MACHINE PLASTER 9222

**Description**

- 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 hot surfaces. -Applied surfaces should never come into contact with water.

Application Tools

Hand mixer, plaster trowel, gauge, steel trowel

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.

-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.

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/B4/50/2

CE

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

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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/B4/50/2

CE

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TS EN 13279-1/B4/20/2

CE

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CE

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Reference standards

TS EN 13279-1/B4/20/2

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Reference standards

TS EN 13279-1/B4/50/2

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Reference standards

TS EN 13279-1/B4/20/2

CE

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Reference standards

TS EN 13279-1/B4/50/2

CE

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Reference standards

TS EN 13279-1/B4/20/2

CE

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Reference standards

TS EN 13279-1/B4/50/2

CE

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Reference standards

TS EN 13279-1/B4/20/2

CE

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Reference standards

TS EN 13279-1/B4/20/2

CE

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TS EN 13279-1/B4/50/2

CE

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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

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.
 -Water is poured into the container, and then

places. -In case any petrification is found out in the bag, do not use the product.

-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.

General Information

Physical form	White, powder
Shelf life	See storage conditions
Packaging	25-30 kg polypropylene 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/m ² (for 1 mm thickness)

Performance Details

Bending Strength	≥ 1 N/mm ²
Compressive Strength	≥ 2 N/mm ²
Calcium Sulphate percentage	≥ 50%
Setting time start	≥ 20 minutes
Determination of fineness(1500μ)	≤ %60
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

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.

General Information

Physical form	White, powder
Shelf life	See storage conditions
Packaging	25-30 kg polypropylene 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/m ² (for 1 mm thickness)

Performance Details

Bending Strength	≥ 1 N/mm ²
Compressive Strength	≥ 2 N/mm ²
Calcium Sulphate percentage	≥ 50%
Setting time start	≥ 20 minutes
Determination of fineness(1500μ)	≤ %60
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/C1/20/2

CE

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.

-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.

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.

General Information

Physical form	White, powder
Shelf life	See storage conditions
Packaging	25 - 30 - 35 kg polypropylene 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	75 - 8 kg/m ² (for 10 mm thickness)

Performance Details

Compressive Strength	≥ 2 N/mm ²
Calcium Sulphate percentage	≥ 930
Setting time start Normal Adhesion Endurance	≥ 0,1 N/mm ²
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

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 visibility.

Area of application

-Used for covering the existing wall surfaces with plaster boards, bonding polystyrene materials, rock wool 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.
 -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.

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

Application tools

Hand mixer, trowel, steel trowel

Warnings and advices

-Pay attention to the water/plaster ratio of the mix. Otherwise, it may cause spalling, cracks or strength reduction.

-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.

General Information:

Physical form	White, powder
Shelf life	See storage conditions
Packaging	30 kg polypropylene 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/m ²

Performance Details

Compressive Strength	≥ 2 N/mm ²
Calcium Sulphate percentage	≥ 930
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 +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 14496

CE

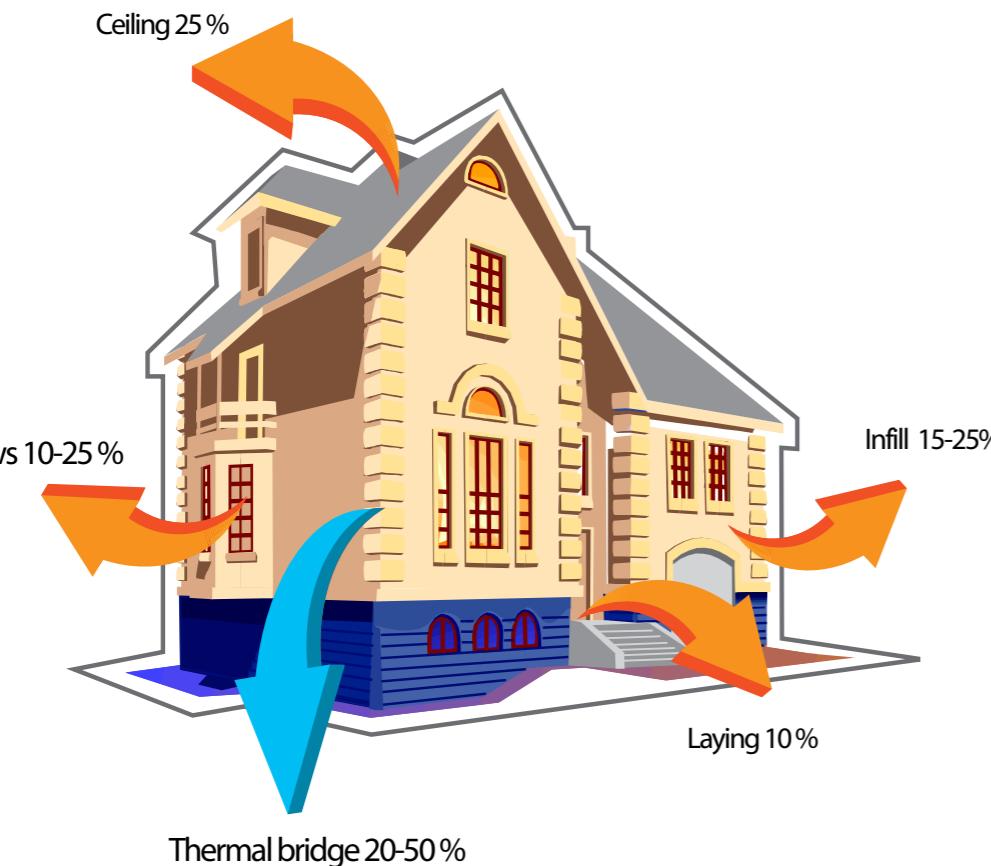


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11 | ARTHERM | Thermal Insulation Systems

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





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

ETICS System Components

Thermal insulation materials

Artherm Areps White

Thermal Insulation Board Plaster

Artherm Areps Carbon

Thermal Insulation Board Adhesive

Arkim Arplast LF

Reinforcement Mesh

Arkim Artherm AD

Primer Arselans Arastar Topcoat coating material

Artherm File AT1121

Mechanical Stabilizer Artherm DÜBEL AT 1141 Rails

Arkim Ardekom

Performance details

Arselans Akitech

Impact Strength

Arselans Silitech

Penetration Strength

Artherm Profil KF-PVC

Fire Class

I2

Thermal Resistance

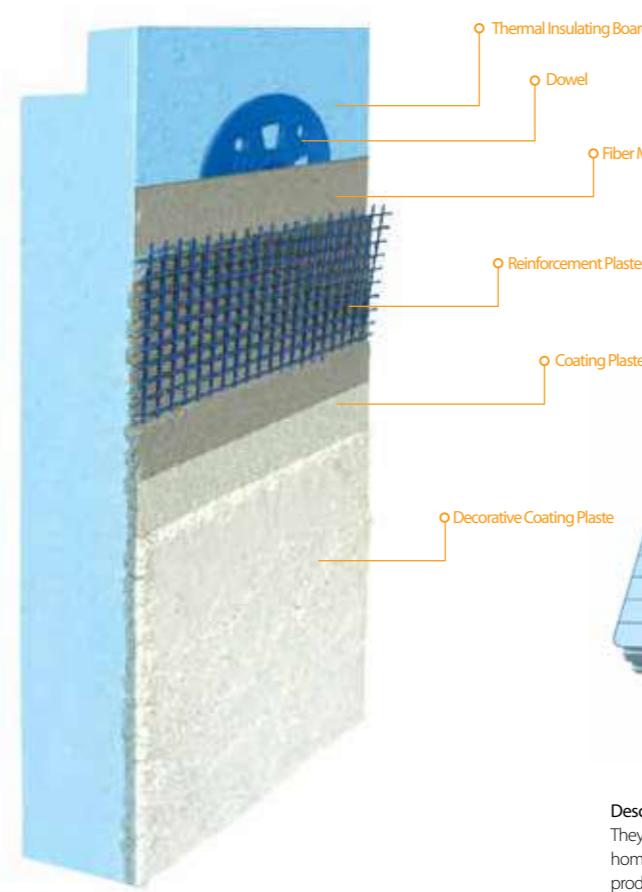
PE200

≥ 1 m²K/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.

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 λ-thermal conductivity value. -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.

Fields of application :

- Roofs (terrace, hipped), -Walls (externally, sandwich, internally), -Underground insulations (basement face railroad insulations against frost), -Floors (under

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)

Performance Information

Density: 28-32 kg/m³

Heat conductivity factor: 0.035 W/mK

Dimensional stability at specific temperature and relative humidity DS % (23.901)

Deformation under specified compressive load and temperature conditions % DLT(1)5

Water absorption by diffusion: % WD(V5)

Compressive stress at: 10% deformation 25 kPa

Freeze-Thaw Resistance: % FT1 Long term water absorption WL(P) ≤ 3kg/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 ± 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 13164 + A1

ARPLATE 20 mm [AT 1111](#)

ARPLATE 25 mm [AT 1112](#)

ARPLATE 30 mm [AT 1113](#)

ARPLATE 40 mm [AT 1114](#)

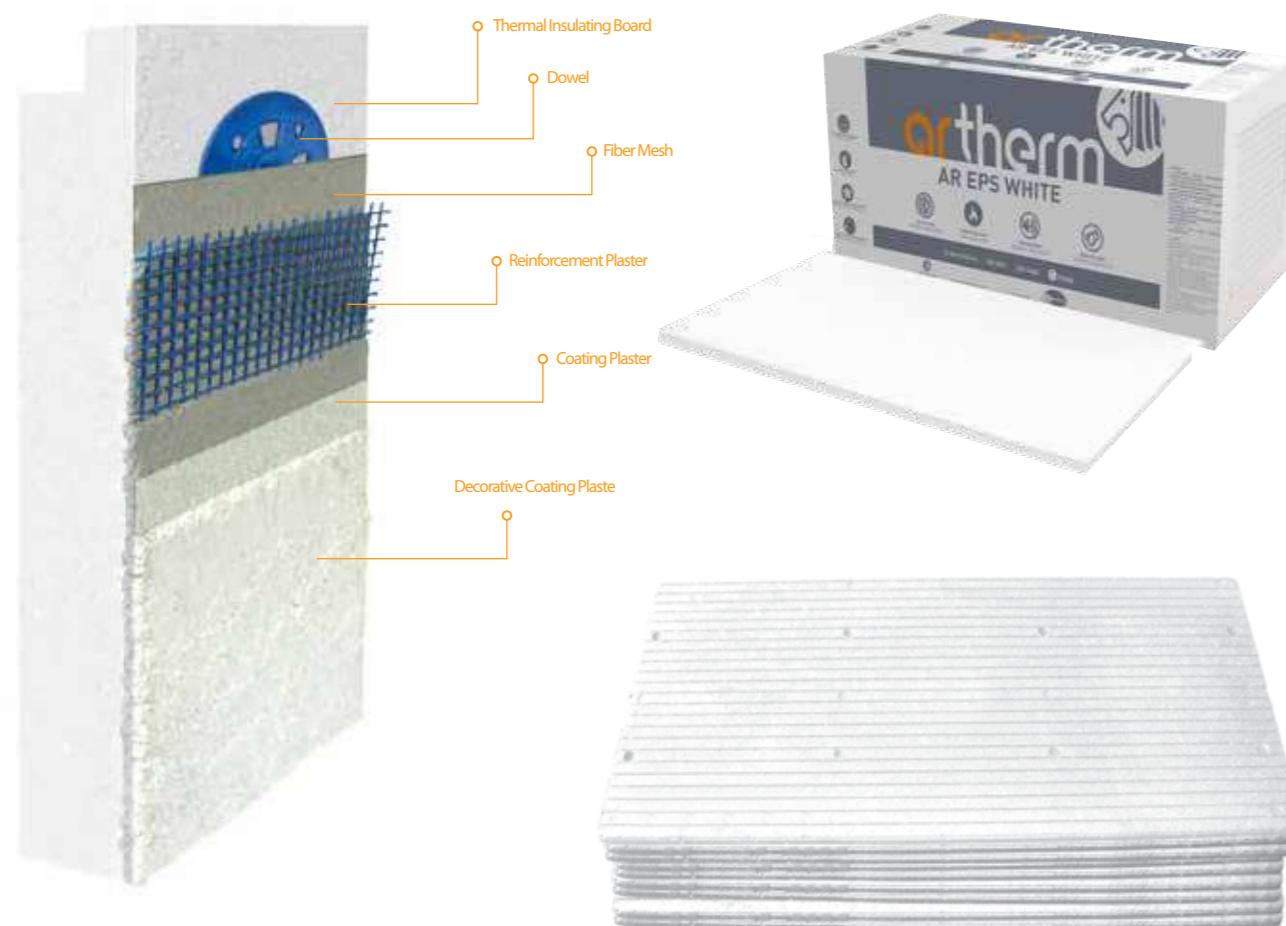
ARPLATE 50 mm [AT 1115](#)

ARPLATE 60 mm [AT 1116](#)

ARPLATE 70 mm [AT 1117](#)

ARPLATE 80 mm [AT 1118](#)

Artherm AR EPS WHITE

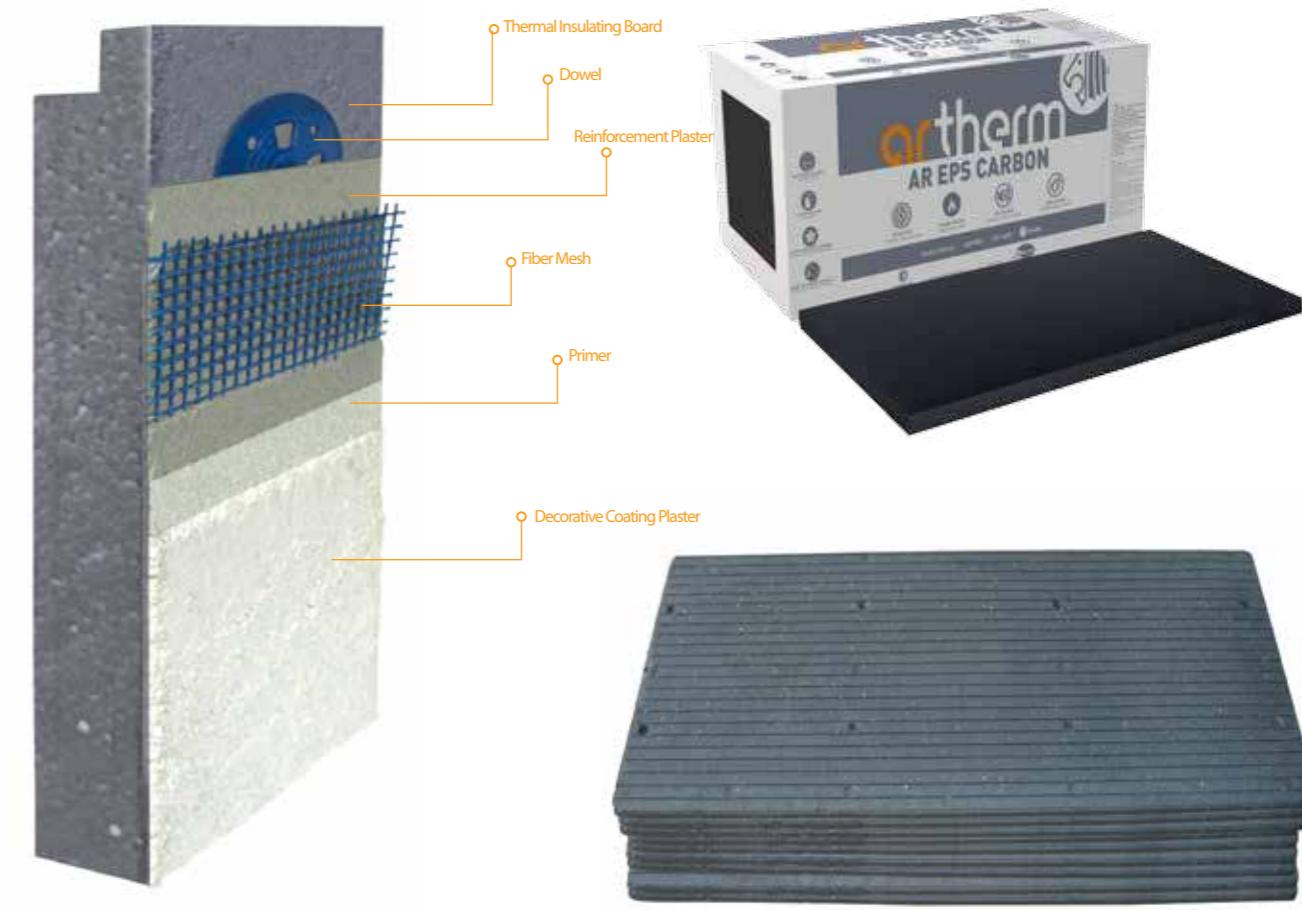


Definition :
AR EPS is produced by inflating the polystyrene granules and fusing them in the mold system. When it is used on the roofs, walls and basements of the buildings, it wraps the building like a thermos thanks to its perfect thermal insulation feature. It decreases the heating and cooling costs 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,

4.4 cm Polyurethane
5 cm AREPS
5 cm Fiberglass (Panel 100) (2.5 + 2.5 cm)
19 cm Heraklith
26 cm Pumice Brick
31 cm Perlite Concrete Plaster
31 cm Porous Brick
38 cm Hollow Normal Brick
63 Perforated Normal Brick
97 cm Infilled Brick
264 cm Stone
294 cm Stone

Artherm AR EPS CARBON



Superior features of EPS:

EPS with graphite reflector ensures significant decrease in thermal conductivity through infrared absorbency 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 environment friendliness 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

Application features

Application temperature	(+5°C) ile (+35°C) arası
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Performance details

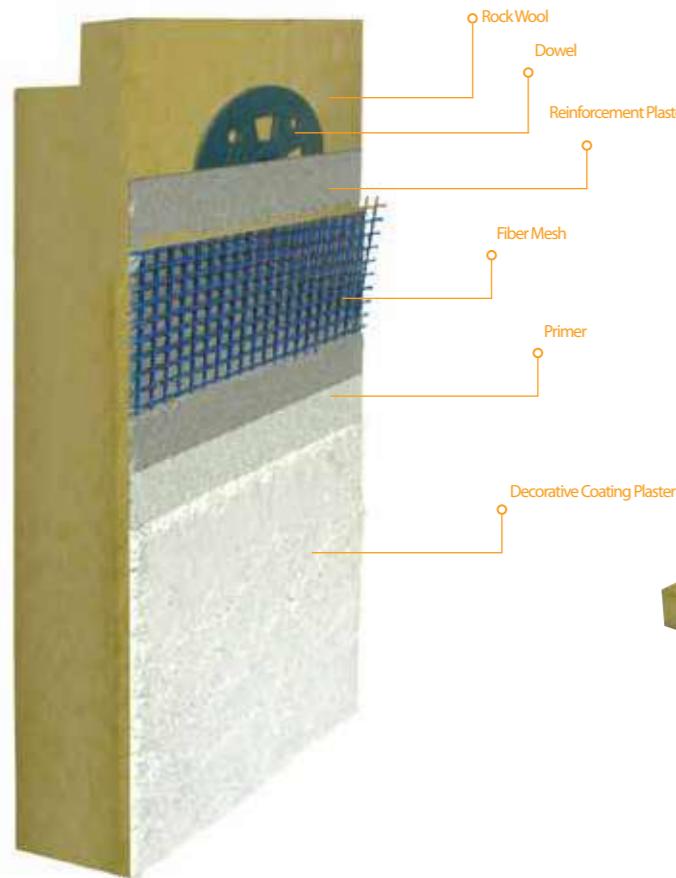
	EPS50(CARBON)	EPS70(CARBON)	EPS80(WHITE)	EPS100(WHITE)	EPS120(WHITE)
Density	16 kg/m ³	20 kg/m ³	16 kg/m ³	20 kg/m ³	20 kg/m ³
Thermal Conductivity	0,032 W/m.K	0,031 W/m.K	0,038 W/m.K	0,036 W/m.K	0,034 W/m.K
Dimensional stability at a specific temperature and relative humidity	% DS(70,-)2	% DS(70,-)2	% 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 ROCKWOOL

**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 CO₂ 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/m ³ 50 kg/m ³ 70 kg/m ³ 100 kg/m ³ 120 kg/m ³ 130 kg/m ³ 150 kg/m ³
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/m ²
Long term water absorption	WL(P)≤3 kg/m ²
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.



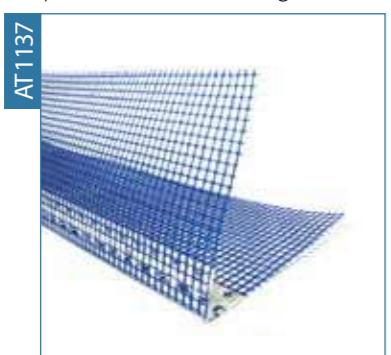
ARTHERM JOINT PROFILE

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.



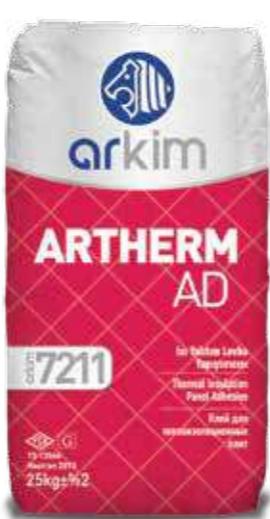
THREADED DOWEL FOR WOOD (OSB)

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.



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 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

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	≥ 1000 kg/m ³
Sleeve analysis: Amount remaining on the sleeve with pressure Strength	1 mm mesh ≤ 1,0 Bending Strength ≥ 2 N/mm ² Com-
Strength of Adhesion to Thermal Insulating Board	≥ 6 N/mm ²
Water Absorption For 30 minutes,	≥ 0,08 N/mm ²
Water Absorption For 240 minutes,	≤ 5g
Strength of Adhesion to Lower Layer	≤ 10g
Fire Class	≥ 0,5 N/mm ²
Temperature resistance Between	A1

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



the application surface is robust, self-supporting and level.

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 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.

**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 ARSTAR 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.
 -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

Application tools

Hand mixer, notched trowel, spatula, trowel

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.

Arkim ARTHERM AD READY 7212**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	3-3,5 kg/m ²

Performance details

Hollow Unit Volume Mass of Fresh Mortar	≥ 1150 kg/m ³
Hollow Unit Volume Mass of Hardened Cement-based Plaster	1450±250 kg/m ³
Thermal conductivity	Chart 2 T1 ≤ 0.48 W/mK (P=90%)
Sleeve analysis: Amount remaining on the sleeve with	1 mm mesh ≤ 1%
Thermal Conductivity	Chart 2 T1 ≤ 0.54 W/mK (P=90%)
Bending Strength	≥ 2 N/mm ²
Compressive Strength	≥ 6 N/mm ²
Strength of Adhesion to Thermal Insulating Board	≥ 0,08 N/mm ²
Capillary Water Absorption	≤ 0,5 kg/m ² .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: 04481

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	≥ 0,08 N/mm ²
Water vapor transmission rate	V1
Water transmission rate	W1
Strength of adhesion to lower layer	≥ 1 N/mm ²
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.

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 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.

-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.

-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.

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.

-Excessively hot surfaces must be moistened 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.

hours following the application.

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-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.

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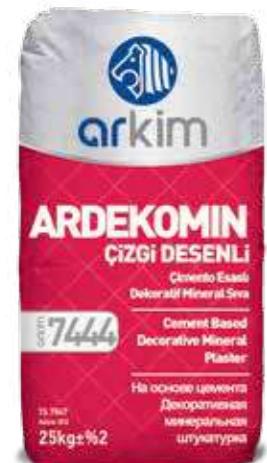
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-The material must not be used on horizontal surfaces exposed to rain.

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

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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 ARREPAIRTHIN or ARKIM ARREPAIRTHICK.
-It is necessary to make sure that the surface has been cured and robust.
-If the application surface is porous, it must be wetted.

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 -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

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 adhesion.
-Any irregularities on the application surfaces, incl. less than 45 degrees.

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: G₃
Dry Film Thickness: E₃
Particle Size Grade: S₁
Water Vapor Transmission Rate: V₂
Water Transmission Rate: W₃
Crack Covering Feature: A₀
CO₂ Permeability: C₀
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: 27560/7 - 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 AKRİTECH will be applied must be cleared of dust, dirt, oil, etc. that prevent adherence.

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 m ² can be paid in single coat with 1 L
depending on the type, absorbing power and structure of the surface	

Performance details

Brightness	G ₃
Dry Film Thickness	E ₃
Particle Size Grade	S ₁
Water Vapor Transmission Rate	V ₂
Water Transmission Rate	W ₃
Crack Covering Feature	A ₀
CO ₂ Permeability	C ₀
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

Gmark

Ministry of Public Works Pos. No: 27560/7 - 25.048/13

**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

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.

Application

-All water isolation measures regarding water must have been taken in the building

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

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.

-The material must not be used on horizontal surfaces exposed to rain.

water throughout the application and 24 hours following the application, and the surface must be protected against rain.

-Excessively hot surfaces must be moistened before the application.

-The material must not be used on horizontal surfaces exposed to rain.

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.

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Application Methods

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.

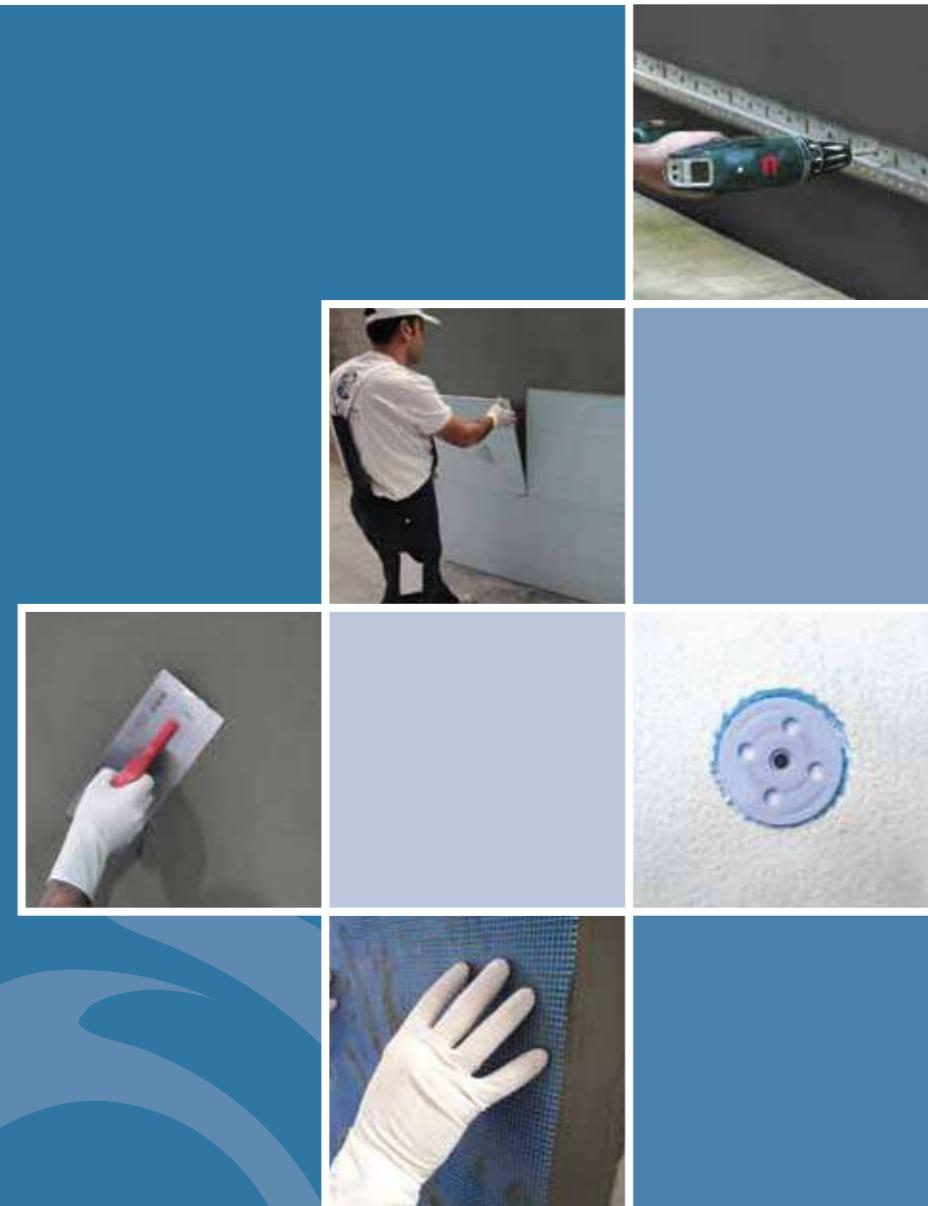


The Sub-Basement Profile is balanced with plastic wedges, mounted with special dowel, and made ready for placement of the boards.

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.



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.



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/m². 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.



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

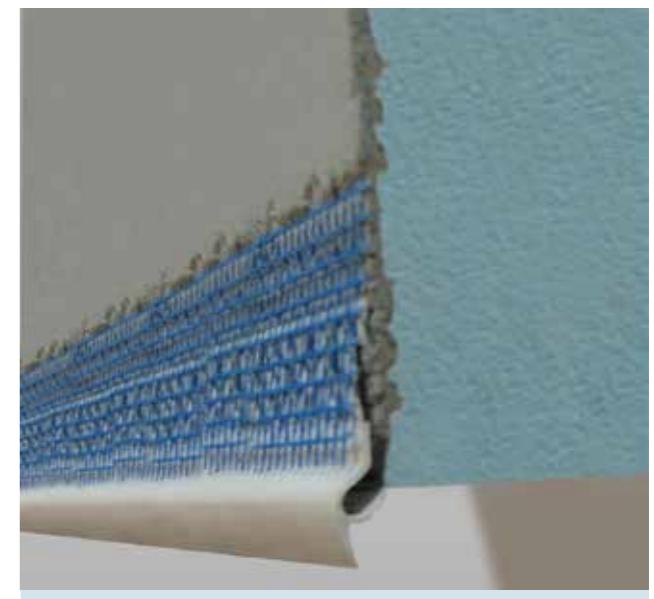
Smooth finishes are obtained by using drip mold profiles at projections to protect the facade against water. The corner profiles with drip molds are fixed at the corners, and the fiber mesh is placed on them. It is necessary to pay attention that the profile is level during the placement.



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.

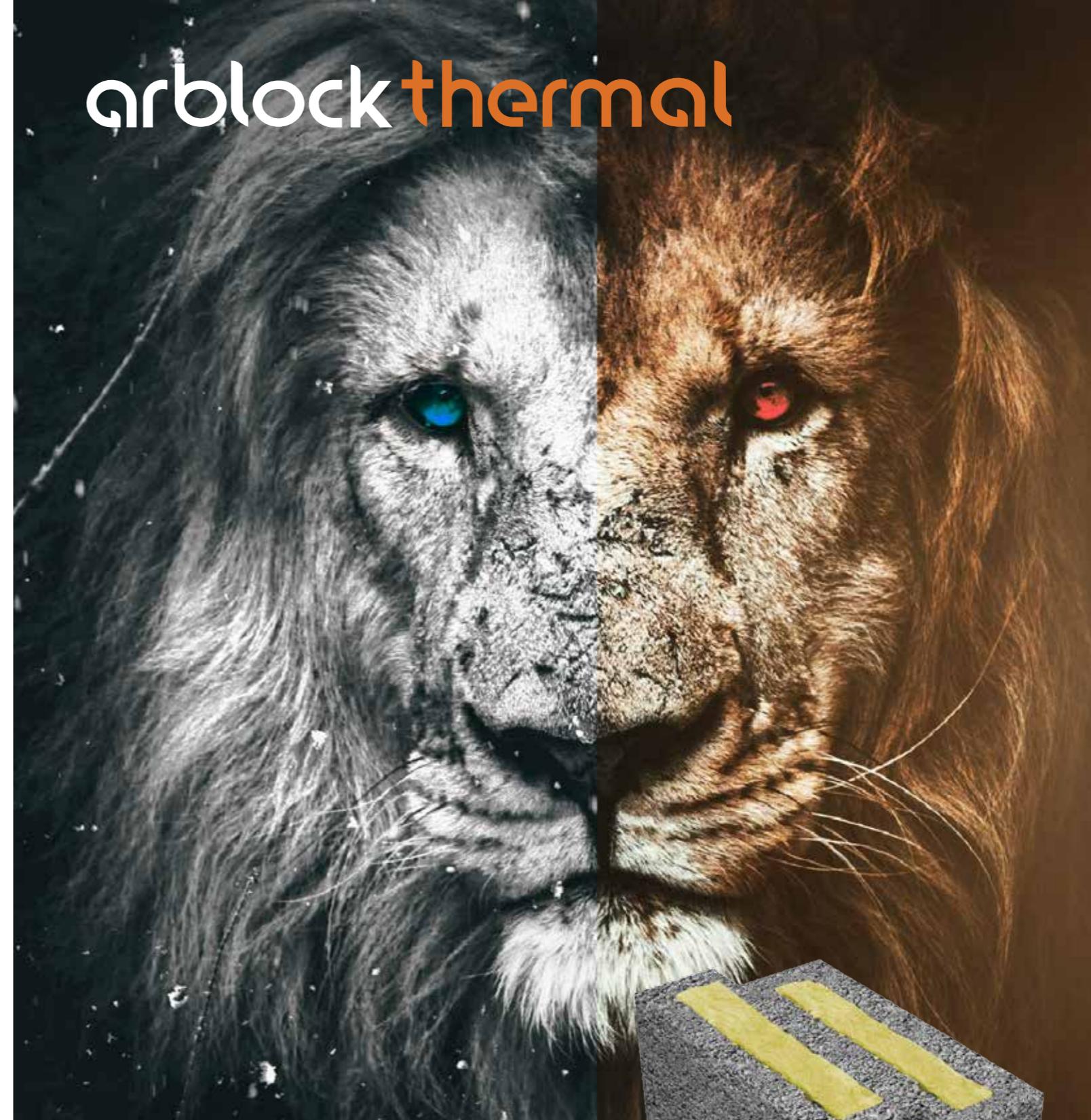
arblock thermal

Creation of Decorative Finishing Coat with Ardekomin

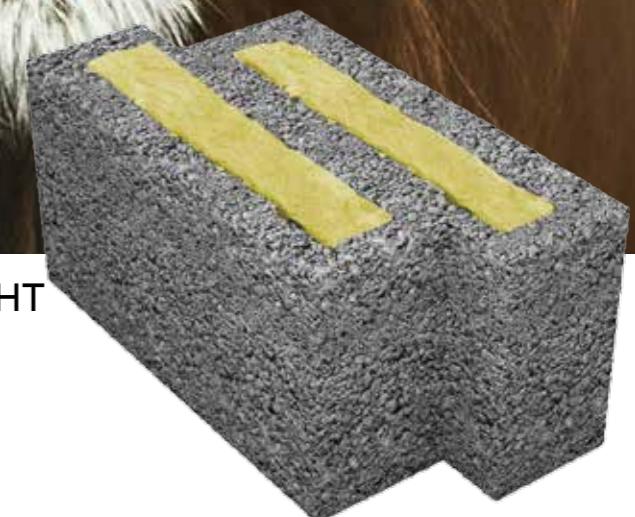
If the finishing coat will be applied with Ardekomin, then ARASTAR is not applied. After the application of Ardekomin, ARASTAR is applied before painting. Mineral or acrylic plaster is spread over the surface with trowel. The surface is textured with a plastic trowel before the plaster dries.



If the finishing coat will be applied with Ardekomin, then ARASTAR is not applied. After the application of Ardekomin, ARASTAR is applied before painting.

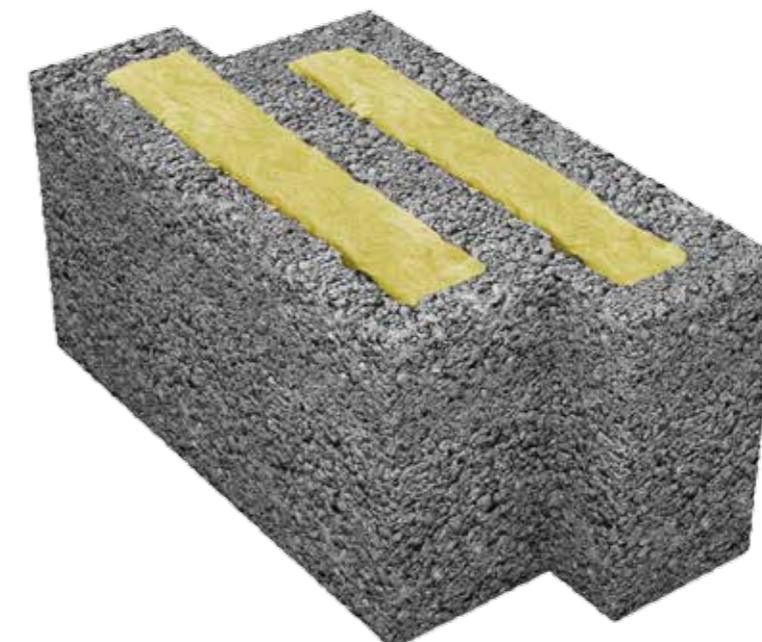


ROCK WOOL THERMAL INSULATION LIGHT CONSTRUCTION ELEMENT



After using Arblock Thermal, no need for extra insulation.

ARBLOCK THERMAL

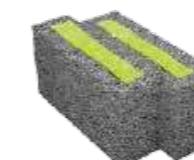


Description:
Cement-based, high-adhesive Arblock Thermal Plaster with enhanced bonding adherence

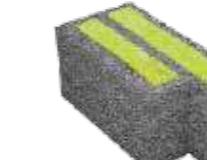
Application:
- The container in which the mortar will be prepared must be clean and cleared of the remnants of the previous mixture. - Attention should be paid to the cleanliness of the water and materials used. - The mortar should be prepared at the rate of 15 kg of Arblock Plaster Mortar to 6-6.5 liters 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.

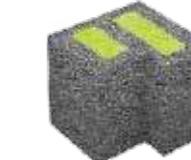
Consumption:
- Approx. 10-12kg/m² (for 10 mm thickness)



Adblock / 195 mm
Z Block 90 mm Rockwool
Filled 195x330x185



Adblock / 195 mm
Full Corner Block 90
mm Rockwool Filled
195x330x185



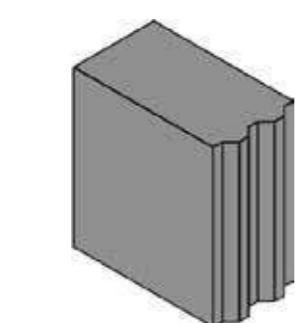
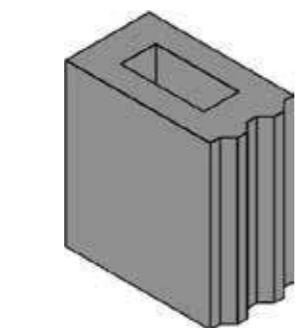
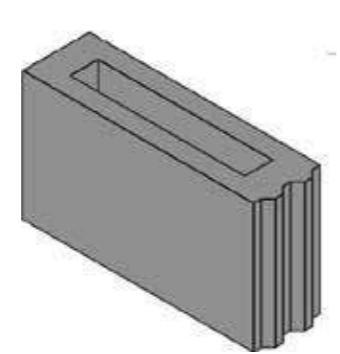
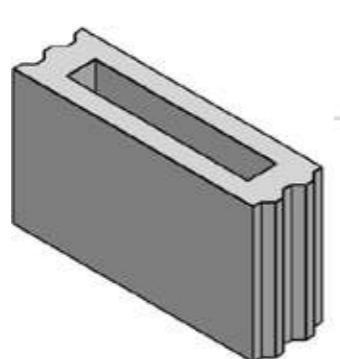
Arblock / 195mm Half Corner
Block 90mm Rockwool Filled
195x165x185



Arblock / 195mm Half Corner
Block Unfilled
195x165x185

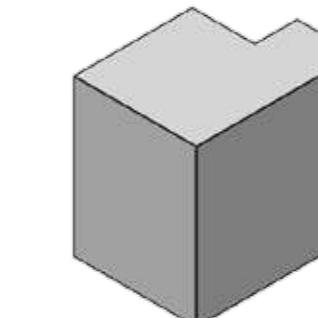
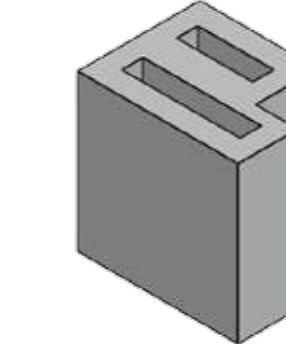
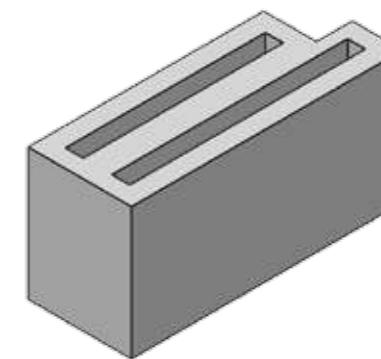
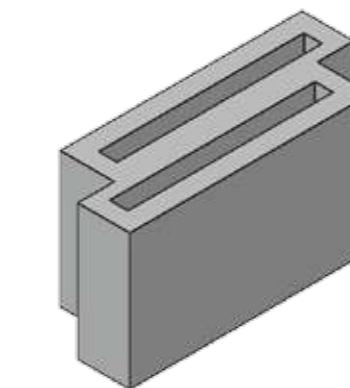
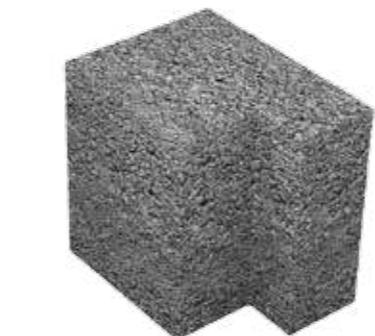
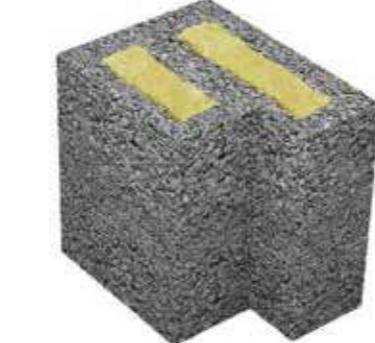
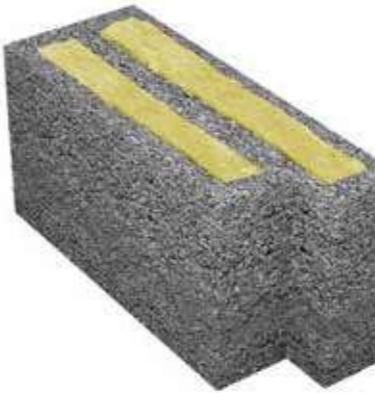
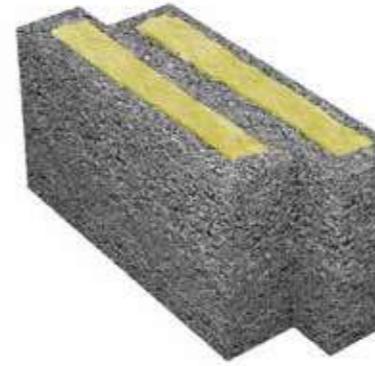
Arblock / 195mm

UValue only for walls	0,349 W/m ² K
Plastered wall U-value (internal 2 cm gypsum plaster, external 25 cm thermal plaster)	0,30 W/m ² K
Lambda Value of Wall	0,072 W/mK
Fire Reaction	A1
fire resistance	120 Dk
Water vapor permeability Wet Cup μ k	6,6
Water vapor permeability Dry Cup μ	17,2
Unit Volume mass	390 Kg/m ³
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: 0,80w/m²K
λ: 0,088w/mK

Arblock / 145mm Series

Arblock / 145mm
Z Block 50mm Rockwool
Filled
145x330x185

U: 0,487w/m²K
λ: 0,076 w/mK

Arblock / 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

* 95mm is the Detailed View of the Product.

ARBLOCKTHERMAL**Arblock / 245mm Serisi**

245x330x185



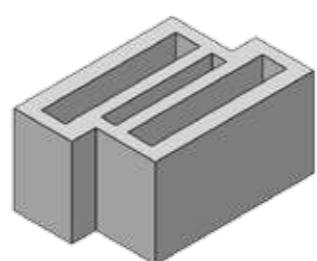
U: 0,317 w/m²K
 λ : 0,082 w/mK

Z Block 130mm Rockwool
 Filled



U: 0,41 w/m²K
 λ : 0,11 w/mK

100mm Rockwool Filled



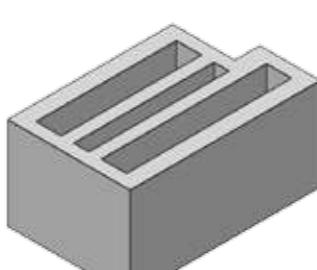
245x330x185



Full Corner Block 130mm
 Rockwool Filled



100mm Rockwool Filled



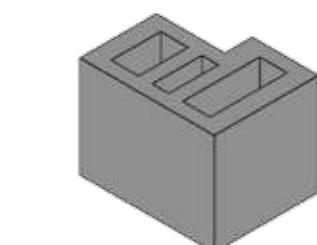
245x165x185



Half Corner Block 130mm
 Rockwool Filled



100mm Rockwool Filled



245x165x185



Arblock / 245mm
 Half Corner Block
 Unfilled

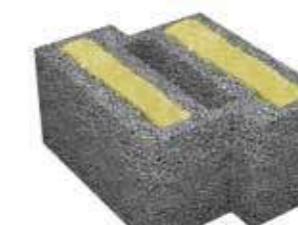
Arblock / 295mm Series

295x330x185



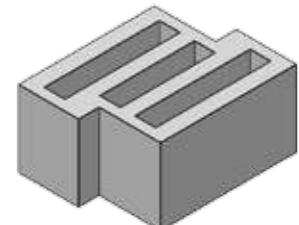
U: 0,222 w/m²K
 λ : 0,068 w/mK

Z Block 150mm Rockwool
 Filled



U: 0,35 w/m²K
 λ : 0,11 w/mK

100mm Rockwool Filled



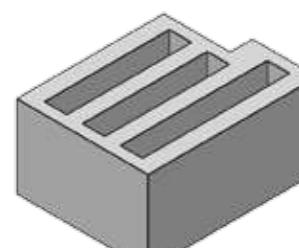
290x330x185



Full Corner Block 150mm
 Rockwool Filled



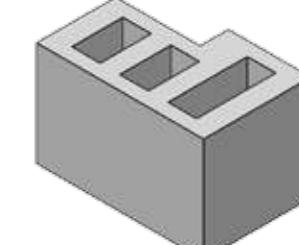
100mm Rockwool Filled



Half Corner Block 150mm
 Rockwool Filled



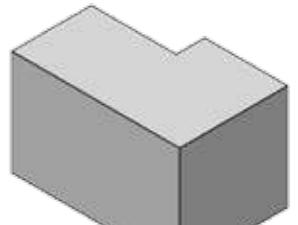
100mm Rockwool Filled



290x165x185



Arblock / 245mm
 Half Corner Block
 Unfilled



ARBLOCK THERMAL**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,

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.

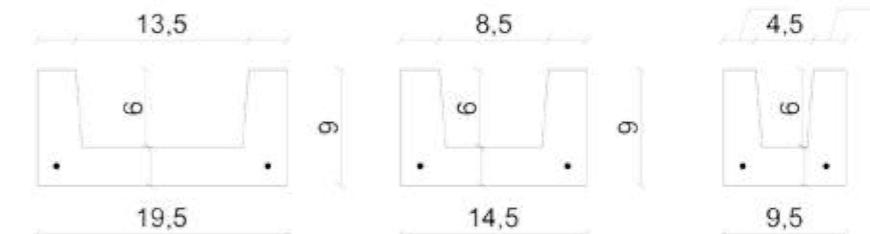
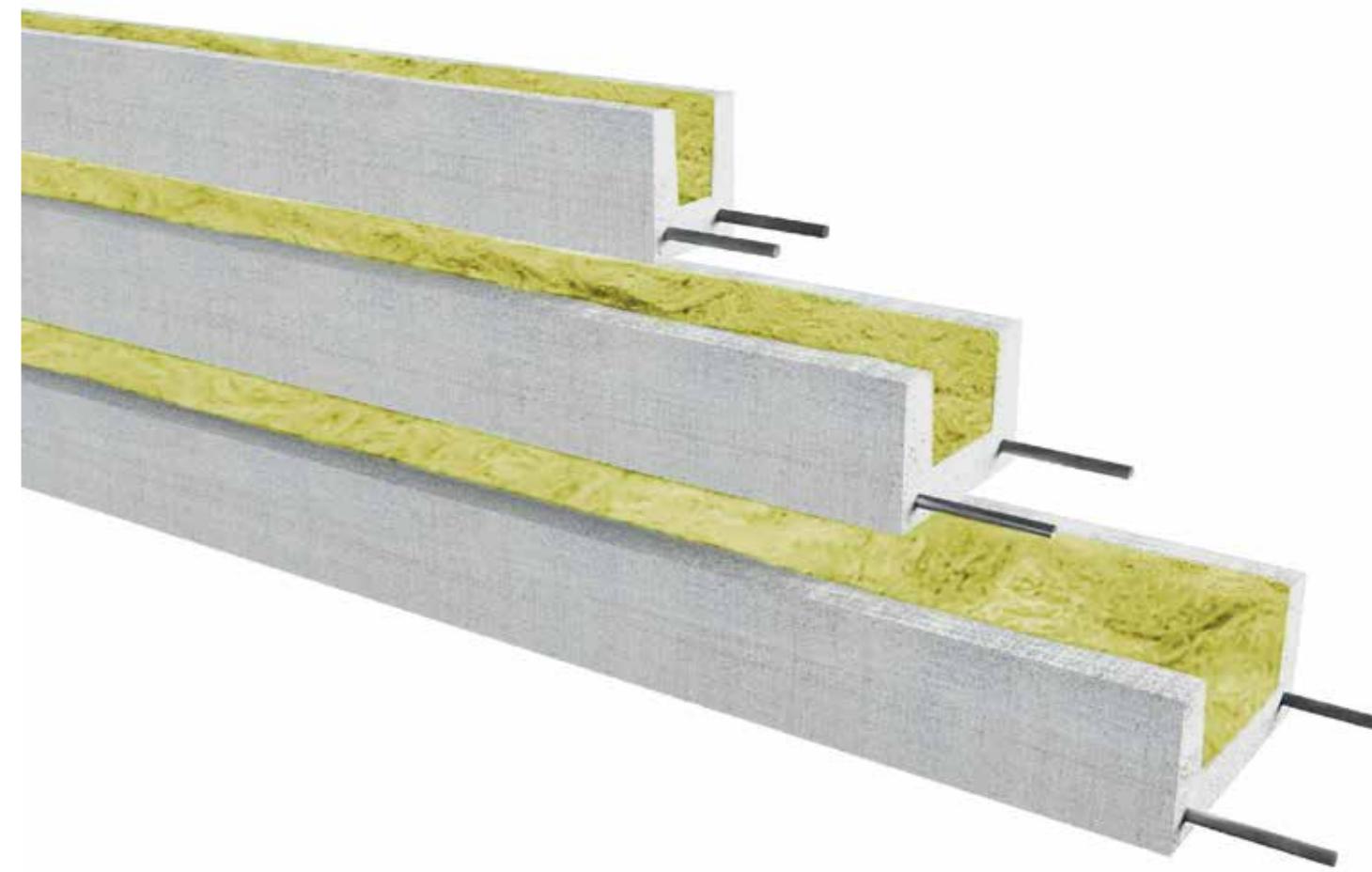
444 27 56 info@arslanli.tc

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.

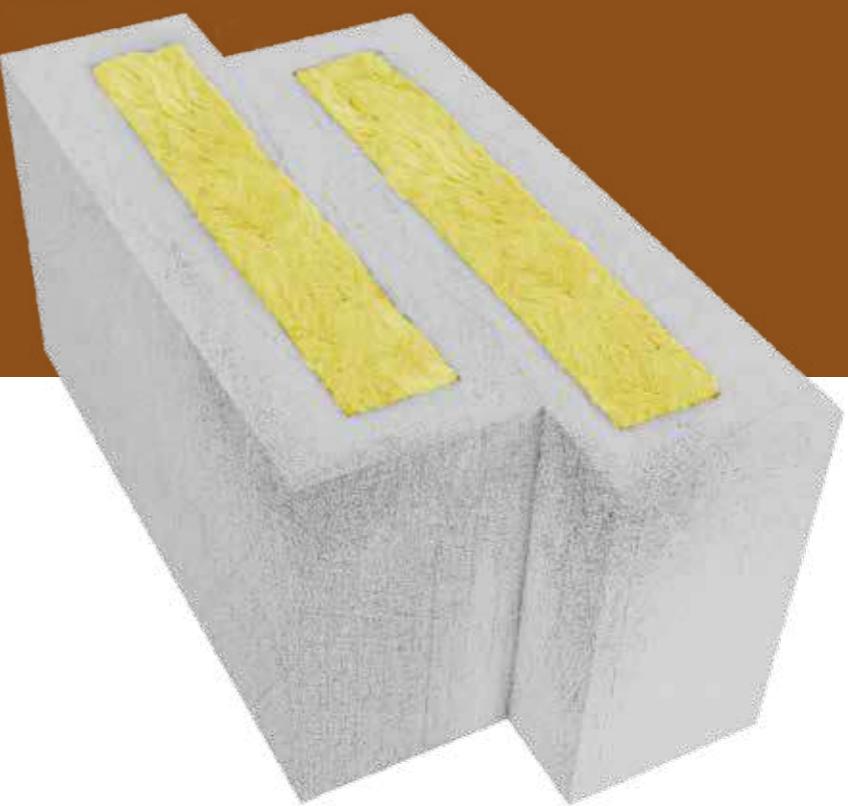
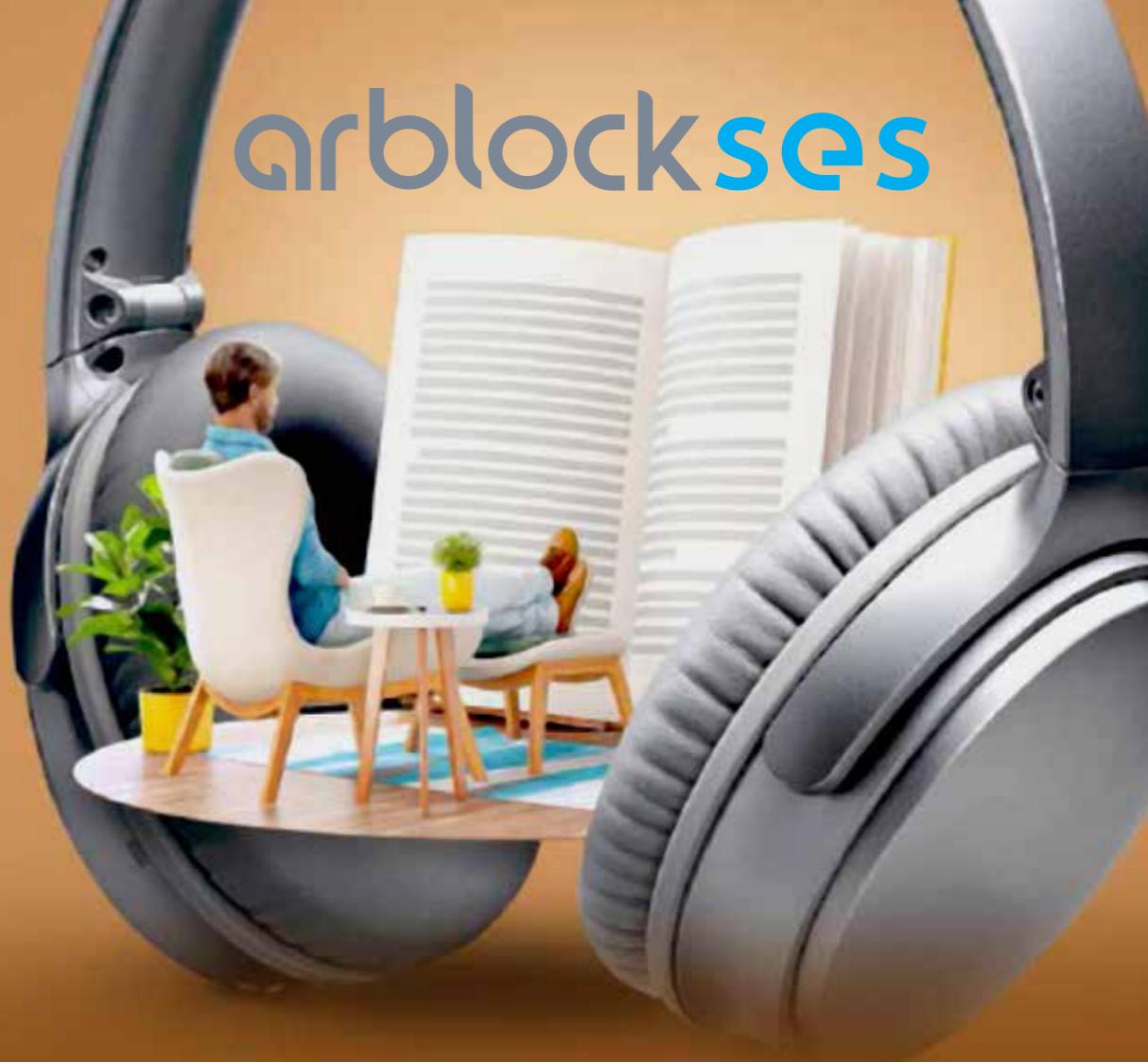




arkim aralçılı artherm arselans

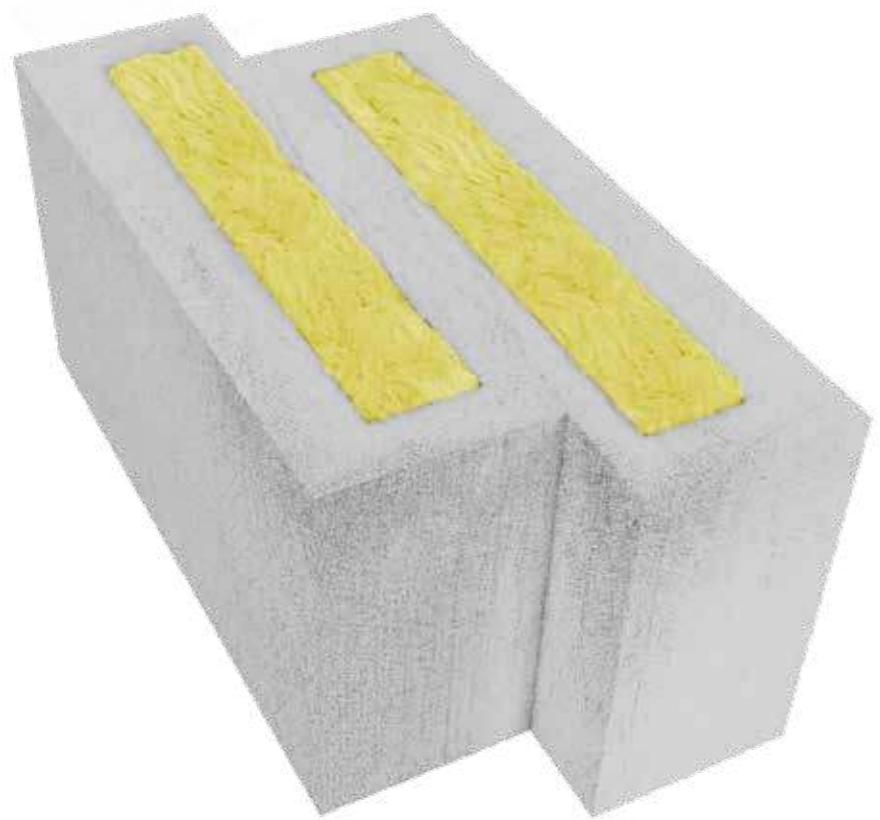
www.arlanli.tc

arblockses



Arblock Sound
SOUND INSULATED LIGHT
CONSTRUCTION ELEMENT

ARBLOCK SOUND



Soundblock/195mm
Z Block 90mm Rockwool
Filled
195x330x185



Soundblock/195mm
Full Corner 90mm
Rockwool Filled
195x330x185



Soundblock/195mm
Half Corner Block 90mm
Rockwool filled
195x330x185



Soundblock/195mm
Half Corner Block Unfilled
195x165x185

Arblock Sound / 195mm

U value only for walls	1,12 W/m ² K
Plastered wall U value (internal 2 cm gypsum plaster, external 25 cm thermal plaster)	0,70 W/m ² K
Lambda value walls	0,269 W/mK
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/m ³
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	>3,2 Mpa
Compressive Strength	

ArblockSound / 95mm Series



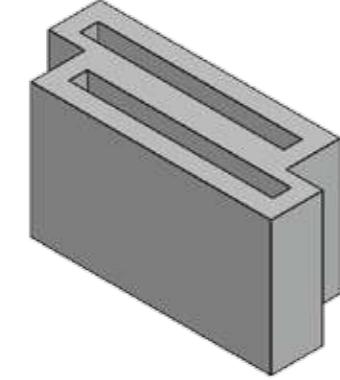
ArblockSes / 95 mm Block
40 mm Rockwool Filled

ArblockSes / 95 mm Full Corner
40mm Rockwool Filled

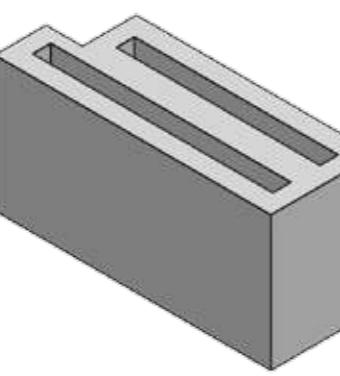
Sesblock / 95 mm
Half Block 40mm Rockwool
Filled

Sesblock / 95 mm
Half Block Without Rockwool

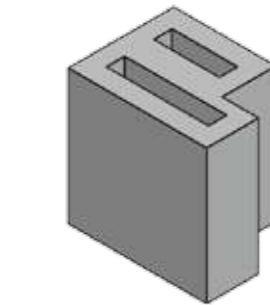
ARBLOCK SOUND

ARBLOCK SOUND**ArblockSound / 145mm Series**

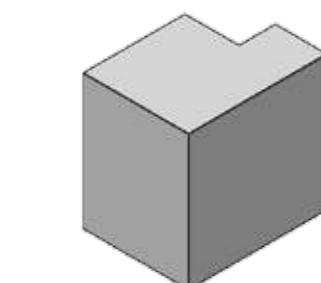
U: 0,98 w/m²K
 λ : 0,182w/mK
ArblockSound /145mm
Z Block 50mm
Rockwool Filled
145x330x185



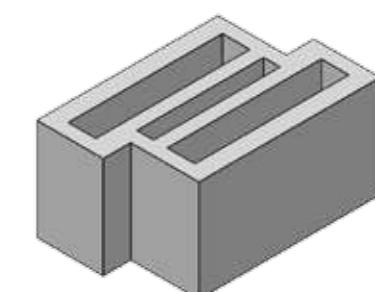
ArblockSound/ 145mm
Full Corner 50mm
Rockwool Filled
145x330x185



ArblockSound/ 145 mm
Half Block 50mm
Rockwool Filled
145x165x185

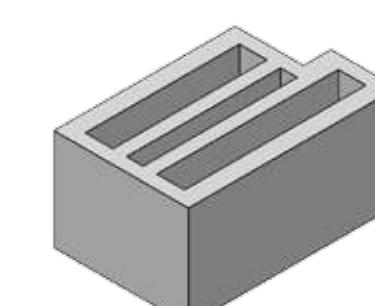


ArblockSound/ 145 mm
Half Block 50mm
Unfilled
145x165x185

ARBLOCK SOUND**ArblockSound / 245mm Series****245x330x185**

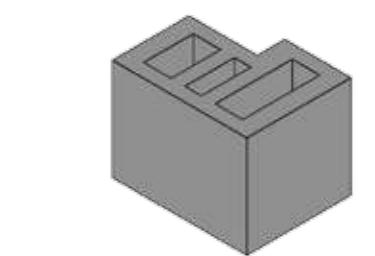
U: 0,67 w/m²K
 λ : 0,185w/mK
Z Block 245mm Rockwool
Filled

100mm
Rockwool Filled

245x330x185

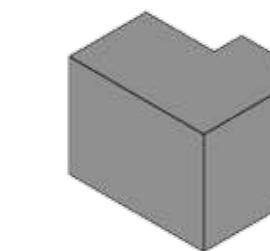
Full Corner Block 245 mm
Rockwool Filled

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

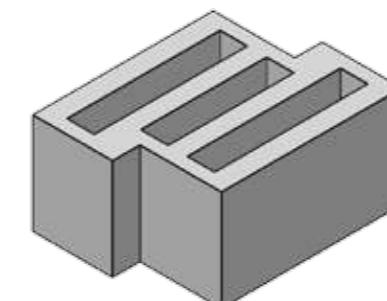
U: 0,56w/m²K

λ : 0,181w/mK

Z Block 130mm Rockwool Filled



100mm Rockwool Filled



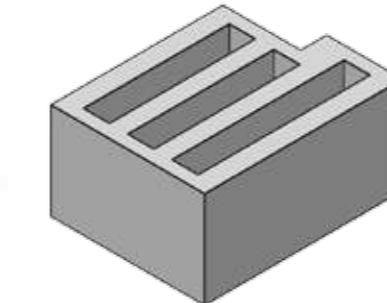
290x330x185



Full Corner 130mm Rockwool Filled



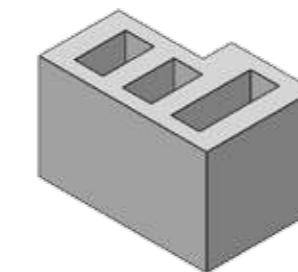
100mm Rockwool Filled



Half Block 130mm Unfilled



100mm Rockwool Filled



290x165x185

ArblockSound/ 245 mm
Half Block
Unfilled

ArblockSound BC

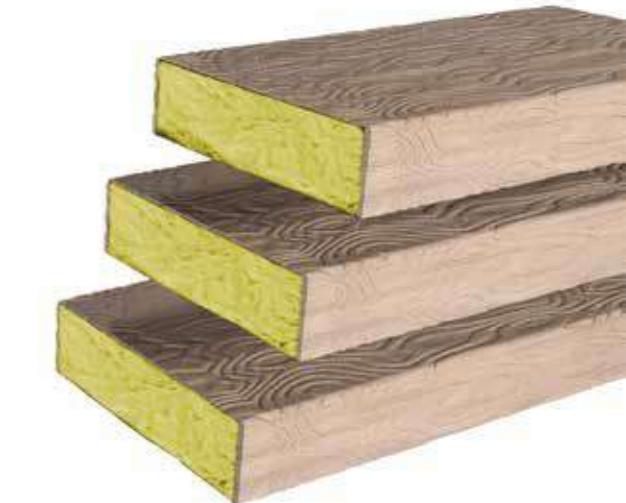
Arblock BC is used for thermal bridges that weaken the thermal insulation.

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

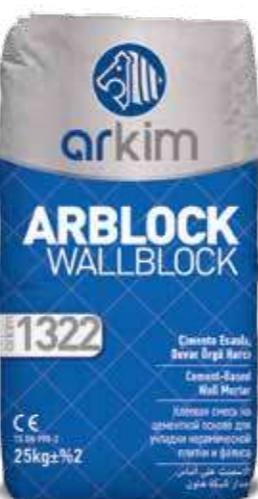
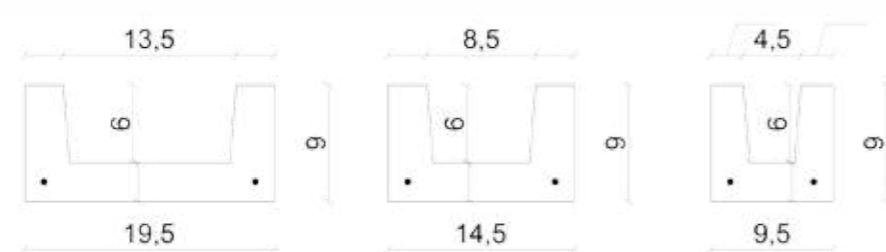
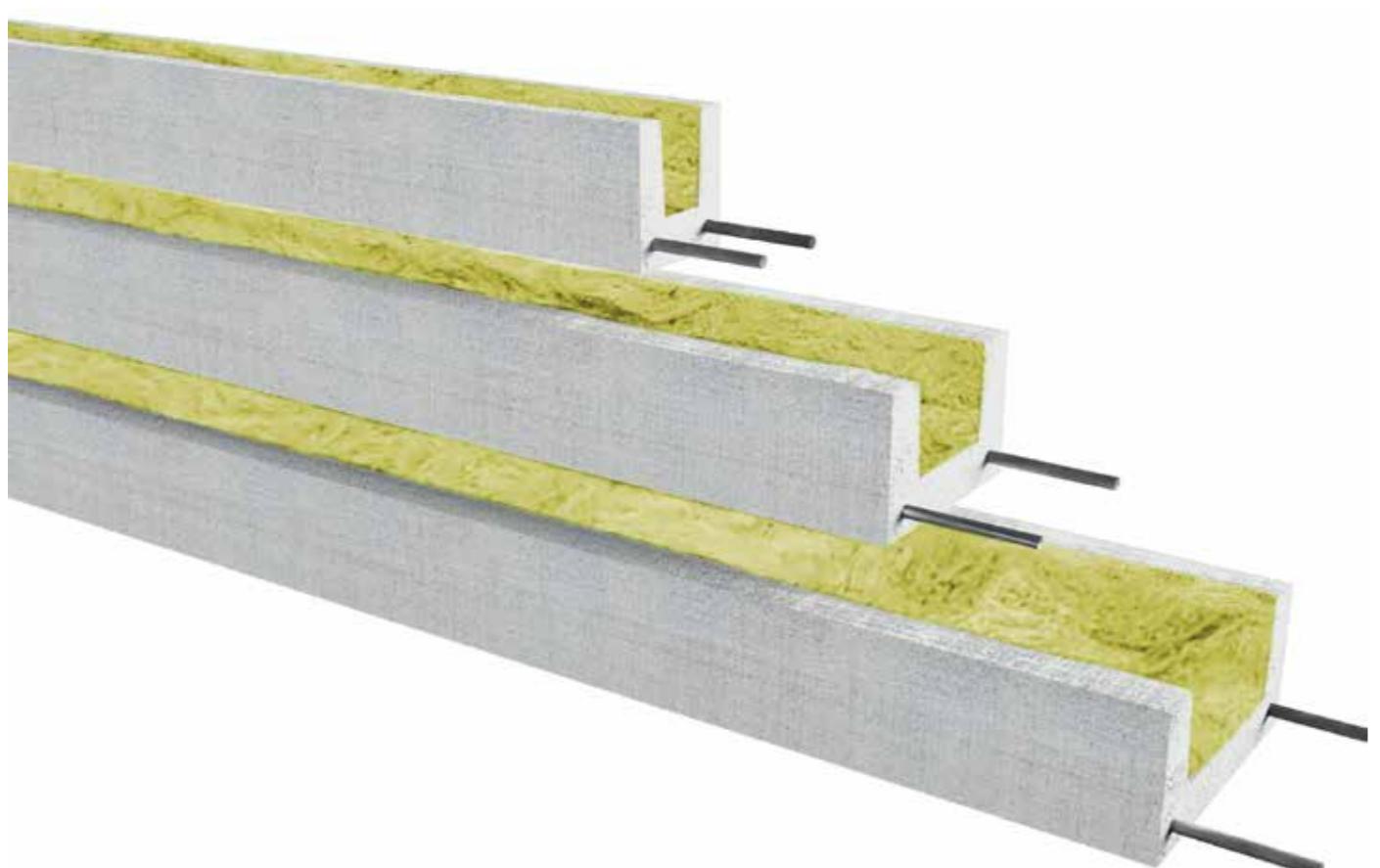
The most important point in exterior thermal insulation is that the insulation is homogeneously designed. The material that disrupts this homogeneity in exterior insulation is generally the lintel. Arblock Lento prevents this situation thanks to its rockwool filling. It offers a better insulation with 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.



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

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	≥ 2.5 kg/m ² dk 0.5
Water vapor permeability	15/20
Compressive Strength:	M5 Dry
Bulk Density of Hardened Mortar	1500±200 kg/m ³
Aggregate Maximum Grain Size	≤ 2 mm
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

- 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.

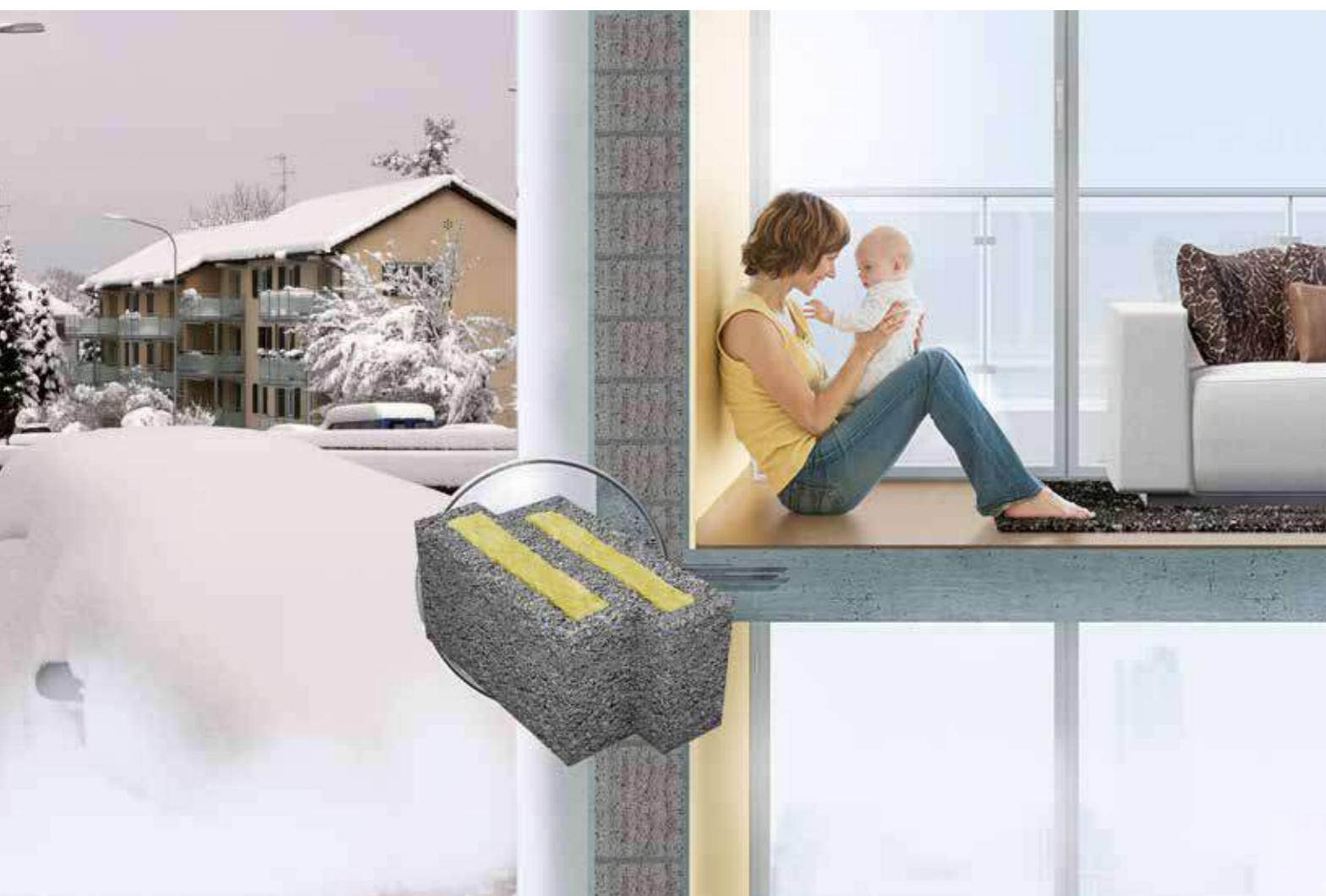
Warnings and advices:
Attention should be paid to the water / powder ratio of the mixture. Otherwise,

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.



ARBLOCK WALLBLOCK Consumption table

	Width (mm)	Length(mm)	Height (mm)	Consumption(kg/m ²)
Arblock Thermal 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

**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 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/mm ²
Adhesive strength	≥ 0.8 N/mm ²
Capillary water absorption	≥ 0.5 kg/m ² 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



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 FIX 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 facing 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.

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/mm ²
Initial tensile/adhesion strength	≥0,5 N/mm ²
Tensile/adhesion strength after water submersion	≥0,5 N/mm ²
Tensile/adhesion strength after thermal aging	≥0,5 N/mm ²
Tensile/adhesion strength after freeze-thaw cycles	≥0,5 N/mm ²
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



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

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	75-8,5 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
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 Opening (30 minutes)	≥0,5 N/mm ²
Initial Tensile Adhesion Strength	≥1 N/mm ²
After Immersion Tensile Adhesion Strength	≥1 N/mm ²
After Heat Aging Tensile Adhesion Strength	≥1 N/mm ²
After Freeze-Thaw Cycles Tensile Adhesion Strength	≥1 N/mm ² 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

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.



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	Usability Time
Working Time (on the ground) minimum	5 hours
Flexibility Time (on the ground) minimum	30 minutes
Commissioning Time (time to open to traffic)	15 minutes
Consumption	24 hours on the wall-48 hours on the ground
Performance Information	See Card Size and Consumption Table

Tensile Adhesion Strength After Exposure(30 minutes)

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.

-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 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

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 NIVAFILL 1100

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.
-Since the application will be followed by

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

-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 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

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
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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	≤ 2000 mm ³
Bending strength after dry storage	≥ 2.5 N/mm ²
Bending strength after Freeze-Thaw cycle	≥ 2.5 N/mm ²
Compressive strength after dry storage	≥ 15 N/mm ²
Compressive strength after Freeze-Thaw cycle	≥ 15 N/mm ²
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

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



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

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: $\geq 1150 \text{ kg/m}^3$
Hollow Unit Volume Mass of Hardened Cement-based Plaster: $1450 \pm 250 \text{ kg/m}^3$
Thermal conductivity: Chart 2T1 $\leq 0.48 \text{ W/mK}$ (P=90%)
Sleeve analysis: Amount remaining on the sleeve with 1 mm mesh: ≤ 96.0
Thermal Conductivity: Chart 2T1 $\leq 0.54 \text{ W/mK}$ (P=90%)
Bending Strength: $\geq 2 \text{ N/mm}^2$
Compressive Strength: $\geq 6 \text{ N/mm}^2$
Strength of Adhesion to Thermal Insulating Board: $\geq 0.08 \text{ N/mm}^2$
Capillary Water Absorption: $\leq 0.5 \text{ kg/m}^2 \cdot \text{dk} 0.5$
Water Vapor Permeability Coefficient: $\mu \leq 15$
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



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 application surfaces are robust, self-supporting and level.

-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.

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/m² (for 2 mm thickness)

Performance details

Compressive strength: $\geq 6 \text{ N/mm}^2$
Dry bulk density: $1050 \pm 200 \text{ kg/m}^3$
Thermal conductivity: Chart 2T1 $\leq 0.48 \text{ W/mK}$ (P=90%)
Adhesive strength: $0.3 \text{ N/mm}^2 \text{ FP: A}$
Capillary water absorption: $(W_0) \leq 0.5 \text{ kg/m}^2 \cdot \text{min} 0.5$
Water vapor permeability coefficient: $\leq 30 \mu$
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

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.

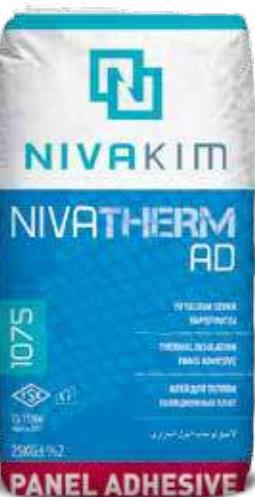
-The prepared mortar must be consumed within 2 hours.

-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.

**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 ARREPARTHIN or ARKIM ARREPARTHICK.
- It is necessary to make sure that the surface has been cured and robust.

General Information

Physical form	White, powder
Shelf life	See storage conditions
Packaging	25 kg kraft bag

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 ²

Performance Details	
Hollow Unit Volume Mass of Fresh Mortar	≥ 1000 kg/m ³
Sleeve analysis:	Amount remaining on the sleeve with 1 mm mesh ≤ 1,0
Bending Strength	≥ 2 N/mm ²
Compressive Strength	≥ 6 N/mm ²
Strength of Adhesion to Thermal Insulating Board	≥ 0,08 N/mm ²
Water Absorption For 30 minutes,	≤ 5g
Water Absorption For 240 minutes,	≤ 10g
Strength of Adhesion to Lower Layer	≥ 0,5 N/mm ²
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 1356

G

Ministry of Public Works Pos. No: 04.480

**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 ARREPARTHIN or ARKIM ARREPARTHICK.

- 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

General Information

Physical form	White, powder
Shelf life	See storage conditions
Packaging	25 kg kraft bag

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 ² (for 2 mm thickness)

Performance details	
Dry Film Thickness	E ₅
Particle Size Grade	S ₄
Water Vapor Transmission Rate	V ₂
Water Transmission Rate	W ₁
Crack Covering Feature	A ₀
CO ₂ Permeability	C ₀
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

**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.
-This product must not be applied in cases where the temperature may drop below +5 °C within 24

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.
-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.

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

hours following the application.
-Excessively hot surfaces must be moistened 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.

**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.

Storage conditions

-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 is necessary to make sure that the application

hours following the application.
-Excessively hot surfaces must be moistened 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/m ² (for 2 mm thickness)

Performance details

Dry Film Thickness	E ₅
Particle Size Grade	S ₃
WaterVapor Transmission Rate	V ₁
Water Transmission Rate	W ₁
Crack Covering Feature	A ₀
CO ₂ Permeability	C ₀
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

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/m ² (for 2 mm thickness)

Performance details

Dry Film Thickness	E ₅
Particle Size Grade	S ₄
WaterVapor Transmission Rate	V ₂
Water Transmission Rate	W ₁
Crack Covering Feature	A ₀
CO ₂ Permeability	C ₀
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

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

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/mm ²
Initial Tensile Adhesion Strength	≥0.5N/mm ²
Tensile Adhesion Strength After Immersion	≥0.5N/mm ²
Tensile Adhesion Strength After Heat Aging	≥0.5N/mm ²
Tensile Adhesion Strength After Freeze-Thaw Cycles	≥0.5N/mm ²
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

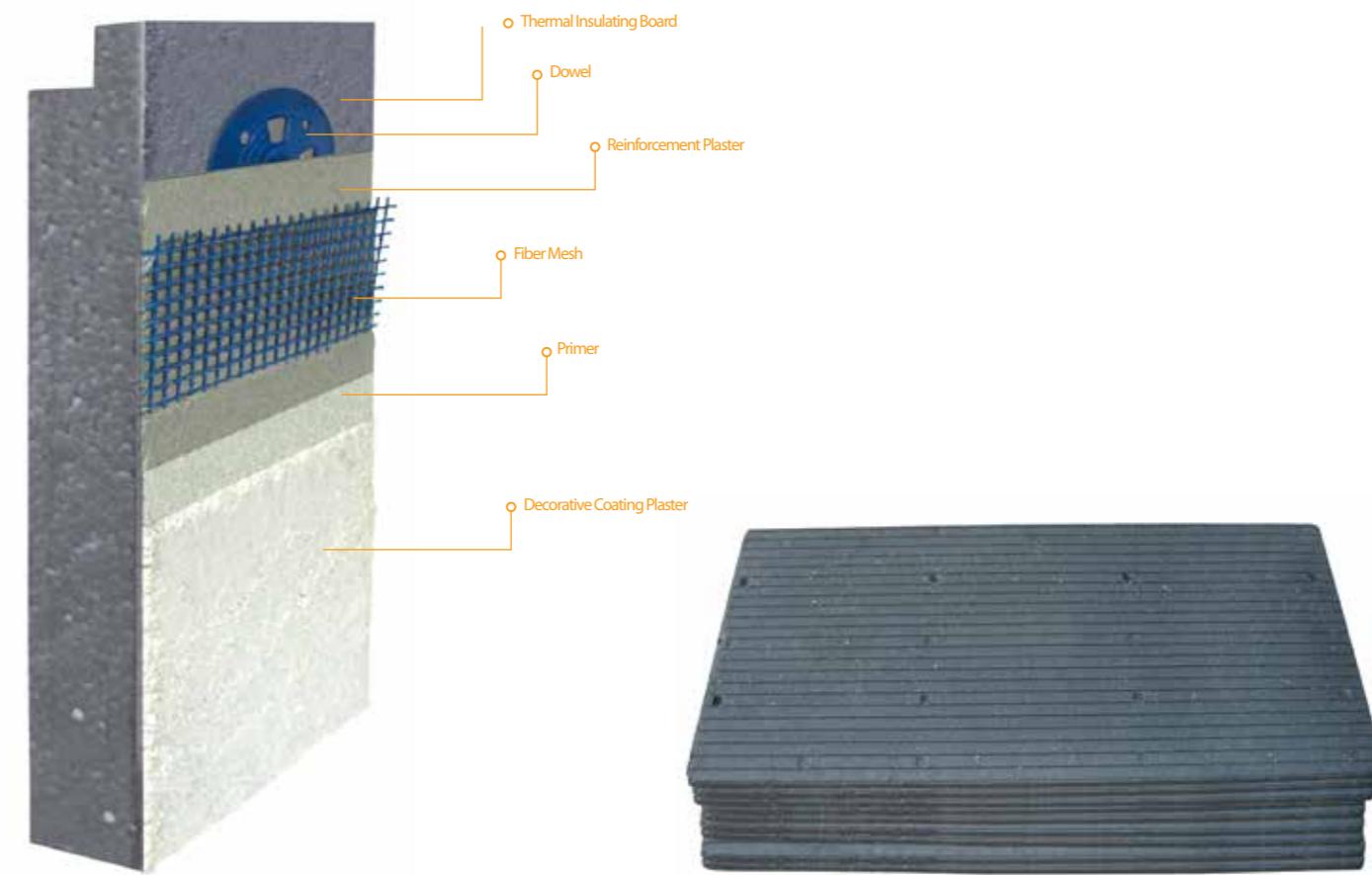
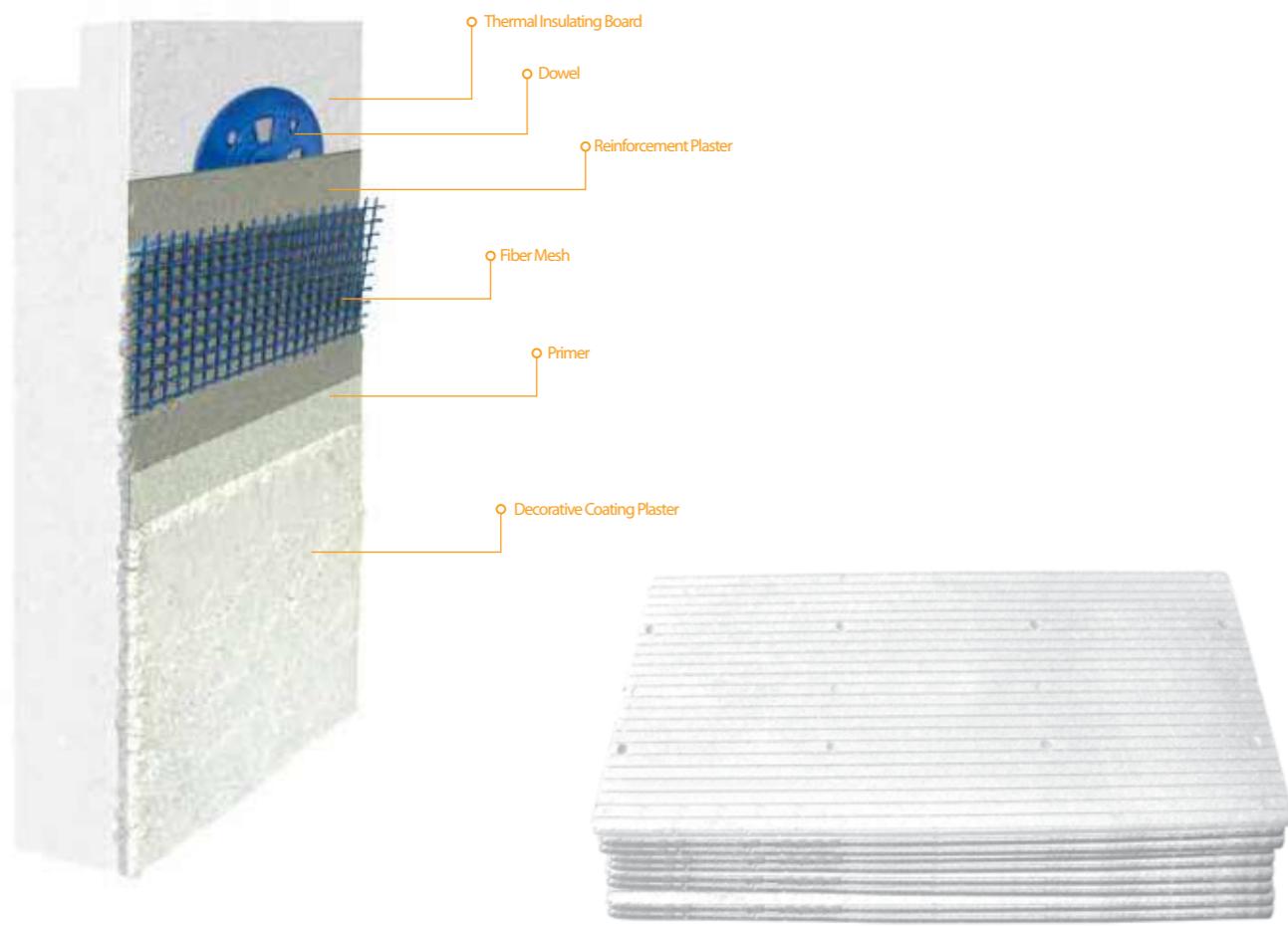
TSEN 12004-1 Class C1 Cement based normal hardening ceramic adhesive mortar.

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.

General Information

Packaging

Length: 1250 mm
Width: 600 mm
Thickness: 1 - 100 cm

Application features

Application temperature (+5°C) ile (+35°C) arası

Performance details

	EPS50(CARBON)	EPS70(CARBON)	EPS80(WHITE)	EPS100(WHITE)	EPS120(WHITE)
Density	16 kg/m ³	20 kg/m ³	16 kg/m ³	20 kg/m ³	20 kg/m ³
Thermal Conductivity	0,032 W/mK	0,031 W/mK	0,038 W/mK	0,036 W/mK	0,034 W/mK
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	BS150 kPa	BS200 kPa	BS250 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

4,4 cm Polyurethane
5 cm NIVA EPS
5 cm Fiberglass (Panel 100) (2,5 + 2,5 cm)
19 cm Heraklith
26 cm Pumice Brick
31 cm Perlite Concrete Plaster
31 cm Porous Brick
38 cm Hollow Normal Brick
63 Perforated Normal Brick
97 cm Infilled Brick
264 cm Concrete
294 cm Stone



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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 ARREPAIRTHIN or ARKIM ARREPAIRTHICK. -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

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	75-8 kg/m ² (for 10 mm thickness)

Performance Information

Bending Strength	≥ 1 N/mm ²
Compressive Strength	≥ 2 N/mm ²
Adhesion Strength	≥ 0.1 N/mm ²
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 devi 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.

General Information

Physical form	White, powder
Shelf life	See storage conditions
Packaging	25-30-35 kg polypropylene 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 devi 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/m ² (for 10 mm thickness)

Performance details

Bending Strength	≥ 1 N/mm ²
Compressive Strength	≥ 2 N/mm ²
Adhesion Endurance	≥ 0,1 N/mm ²
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

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 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.

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.

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°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

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 trowel

Application

-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.

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.

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.

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

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.

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 mold 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 PLASTER OF PARIS 9433

**General Information**

Physical form	White, powder
Shelf life	See storage conditions
Packaging	25-30 kg polypropylene 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	≥ 95%
Setting time start	≥ 20 minutes
Determination of fineness(1500μ)	≤ 60
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

TS EN 13279-1 C1/8/2

CE

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.

General Information

Physical form	White, powder
Shelf life	See storage conditions
Packaging	25 - 30 - 35 kg polypropylene 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	75 - 8 kg/m ² (for 10 mm thickness)

Performance Details

Compressive Strength	≥ 2 N/mm ²
Calcium Sulphate percentage	≥ 93%
Setting time start Normal Adhesion Endurance	≥ 0.1 N/mm ²
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 +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

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 wool 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

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.

-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.

-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 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 sanded.

-The surface is finished with ARKIM NIVAGIPS SATIN.

-After the application, the surface becomes smooth, bright and ready for painting.

General Information

Physical form	White, powder
Shelf life	See storage conditions
Packaging	30 kg polypropylene 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: ≥ 93%

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 +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 14496

CE

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 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 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 onto and affixed to the application surface. The boards are pressed onto 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 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.

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