MARMOLINE
ADVANCED BUILDING MATERIALS

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FK 202 ORGANIC

EN 15824

Acrylic paste for adhesion and coating of thermal insulation boards

DESPRIPTION

Ready to use, fiber-reinforced acrylic paste.

It has CE marking according to EN 15824 (plaster based on organic binders) and is a part of the certified ETICS of Marmoline.

The product is also accompanied by an Environmental Product Declaration (EPD) regarding the environmental impact during its life cycle (EPD registration number: EPD-IES-0014603).

USAGES

For the coating of insulation boards of polystyrene or mineral wool, in combination with an appropriate fiberglass mesh .

It can also be used for bonding of insulation boards on the outer surfaces of buildings.

CHARACTERISTICS/ ADVANTAGES

- Strong adhesion on the substrate and the insulation materials.
- High mechanical strength.
- Flexibility.
- Resistance in temperature fluctuations.
- Easy to use.

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PRODUCT INFORMATION

Appearance / Color	White paste
Packaging	20 kg Plastic container - 320 kg pallet (16 containers)
Storage conditions	In the original, closed, sealed and indestructible packaging, protected from direct sunlight and frost and at temperatures from + 5°C to + 35°C.
Lifetime	12 months from the date of production (closed container stored in a shady place)

TECHNICAL CHARACTERISTICS

Grading	Up to 1.5 mm
Density	1650 – 1850 Kg/m³
Adhesion on concrete	≥ 2 MPa (EN 1542)
Adhesion on polystyrene	≥ 0.1 MPa (ETAG 004)

APPLICATION INFORMATION

Temperature	Temperature from + 5 ºC to + 35 ºC
Consumption	• Approx. 5 - 7 kg /m², when used as a fiberglass mesh reinforced plaster on polystyrene or mineral wool • 2 - 4 kg /m², depending on the nature of the substrate, and the trowel's notch size, when used as an insulation boards' adhesive.
Safety precautions	VOC: Maximum V.O.C. content: 39 g/L (20 ºC). EU limit for the product (Cat. A. c. WB): 40 g/L (2010) Detailed information and instructions regarding the safe management of the product and in matters of Health & Safety, are provided in the most recent Safety Data Sheet (SDS), copies of which are available on the company's website https://marmoline.gr/ or upon request

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DIRECTIONS OF APPLICATION

SUBSTRATE PREPARATION

When used as adhesive:

The substrate should be stable, solid, dry and free of dust, loose particles and all kinds of contaminants.

For adhesion on newly plastered surfaces, the application should be done at least 2 weeks after plastering.

For very absorbent surfaces, it is recommended to prime them with MARMOLINE MST 11 or PRO CONTACT

APPLICATION

As reinforced coating for insulation boards:

- The insulation boards on which the coating will be applied, should have been placed in a brick work way, and levelled. Any gaps between the boards, should be filled with expanded polyurethane foam
- Stir the product gently
- Apply the paste with a notched trowel in a layer 2 – 3 mm thick
- Place a suitable fiberglass mesh in the layer, and using a smooth spatula dip the mesh in the coating. The mesh strips should overlap each other by 10 cm approx. At the end smooth the surface, while removing any excess material.

As insulation boards adhesive:

- On smooth surfaces, apply the paste across the surface of the insulation board using a notched trowel
- On uneven surfaces, apply the paste on the board perimeter and then selectively on its center, so that the paste covers at least 40% of the board's surface.
- The placement of the insulation boards should start from the bottom of the wall, and then going upwards, crosswise and without leaving gaps

TOOLING CLEANING

The tools can be cleaned with hot soapy water.

LEGAL NOTICE

We guarantee the quality of all our products, based on their technical specifications, as described in the Declaration of Performance (CE) and this Technical Data Sheet. Such guarantee refers only to the products that we deliver for use and never to its application or final result, which largely depends on the experience and quality of work of each user and on the application conditions. The user is advised to test the product on a small scale, and if he is satisfied with the result, then to use the product on large scale in his project. All data stated in this Technical Data Sheet are based on laboratory tests. The really measurable data might differentiate due to

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conditions that are not subject to our control. The recommendations and implementation instructions must be considered by the user as indicative, and always with given that the product has been traded and traded and stored according to its instructions. As it is not possible to control the parameters/conditions of its application product in practice, no guarantee is provided for the final result of each application. Consequently, no legal liability of the Company can be established based on the information and instruction given in this Technical Data Sheet. The Company reserves the right to modify data listed in this Product Data Sheet, with no previous warning. Users must refer to the latest version of the product Technical Data Sheet.

CE 17 DoP: 255 MAR-CPR
NORDIA S.A. 364 Kifissias Av., 15233 Chalandri, Athens/ Greece
EN 15824:2017 MARMOLINE FK 202 ORGANIC Plaster based on organic binders
Water vapour permeability: V1 Water absorption: W1 Adhesion: ≥ 2.0 MPa Thermal conductivity ($\lambda_{10,dry}$) (tab. mean value; P= 50%): 0.75 W/mK, Reaction to fire: Class A2-s1,d0

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