

FK 202 ORGANIC

ACRYLIC PASTE FOR COATING AND ADHESION OF THERMAL INSULATION BOARDS

Description : Ready to use, fiber-reinforced acrylic paste.

Usages: It is used for the coating of insulation boards of expanded (EPS) or extruded polystyrene (XPS), or mineral wool (MW), in combination with an appropriate fiberglass mesh .
It can also be used for bonding of insulation boards on the outer surfaces of buildings.



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

Packaging /distribution :

- Plastic containers of 20 kg.
- Palette of 660 kg, 33 plastic containers.

Storage: Maximum storage time in intact packaging , protected from direct sunlight and frost (storing temperature +5 °C to +35 °C): 12 months after production date.

Safety : May produce an allergic reaction. Safety data sheet available on request.
VOC: Maximum V.O.C. content: 8 g/L (20 °C). EU limit for the product (Cat. A. c. WB): 40 g/L (2010)


Specifications : **EN 12004 (D1E), EN 15824**
This product is a part of the certified external thermal insulation composite system “MARMOLINE MONOSIS ENERGY SAVING SYSTEM ETICS”.

- ETAG 004:2013, used as European Assessment Document (EAD).
- ETA 17/0100 & ETA 14/0213 & ETA 14/0214
- 0654-CPR-0133 Certificate of constancy of performance

For the best final result, the user is advised to use this product in combination with the other products included in the certified ETICS system of MARMOLINE

TECHNICAL DATA:

Colour:	White paste
Κοκκομετρία :	1.5 mm
Density:	1650 – 1850 Kg/m ³
Initial shear adhesion strength:	≥ 1 MPa (EN 1324)
Shear adhesion strength after heat ageing:	≥ 1 MPa (EN 1324)
Adhesion strength with EPS - XPS:	≥ 0.08 MPa (cohesive failure in insulation material) (ETAG 004)
Adhesion strength with MW:	≥ 0.008 MPa (cohesive failure in insulation material) (ETAG 004)

 17 DoP: 255 MAR-CPR
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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

APPLICATION:

- Consumption:**
- Approx. 3 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.

Application mode:*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:

- Check that the substrate is clean of loose material, dust, etc.
- 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.
- 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

ATTENTION:

- The drying time depends on the environmental temperature and humidity. Under normal conditions, the surface may be covered with a decorative plaster after 48 hours, at least
- Not recommended for use in extreme weather conditions (frost or heat wave). Application temperature +5°C to +35°C.

We guarantee the quality of all our products, on the basis of 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 depend 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. This edition of technical data sheet automatically cancels any previous version