

Technical 15.01.2015

MINERALWOOL KLEBER

Adhesive for basaltic mineral wool

Use:

Adhesive mortar for interior and exterior works for applying mineral wool cushions on mineral bases, such as: plasterworks, plastered ceilings, concrete, ACC, masonry blocks, etc. Product does not apply on wood, plastic, metal, etc.



Characteristics:

- Very good adherence of mineral wool on bases
- Easy processing
- High resistance
- High flexibility

Technical data:

| | |
|---|---|
| Item No.: | MINERALWOOL KLEBER |
| Material foundation: | Cement, mineral aggregates, polymers, plasticizer |
| Adherence to mineral wool base: | Breakage in the mineral wool support |
| Adherence to concrete base: | Min. 0,5 N/mm ² |
| Reaction to fire: | Class A1 |
| Bucket time: | About 2 hours |
| Open gluing time: | Min. 20 minutes |
| Bucket time: | Approx. 2 hours |
| Open time: | 20 minutes |
| Air/substrate temperature when placing: | Min. +5°C max. +35°C |
| Consumption: | Gluing: approx. 2.5-3.5 kg / m ² (with grouter 8x8mm) approx. 4.0-5.0 kg / m ² (with grouter 10x10mm) Filling: approx. 3.9-5.5 kg / m ² |
| Packaging: | Paper bag resistant to humidity |
| Delivery: | 25 kg |
| Storage / Validity: | 12 months from date of fabrication on the packaging, according to Directive 1907/2006/EC and GR 932/2004, at 20°C and 65% relative humidity. Store in dry spaces on wooden pallets. |

Technical data and those related to consumption are determined in standard conditions. There may be differences depending on conditions of applications.

Base:

The support surface must be clean, dusted and rigid, without loose portions and well hardened, at least 28 days old. Surface must be inspected with a hammer, to see if it is resistant enough for plating.

Processing:

Introduce powder in water (6-6,5 liters water/bag) and start mixing. Both the recipient and water must be clean. It is recommended to mix a quantity that you will use in an hour. Mixing is vigorous, preferably mechanically (attach a paddle shaft to a drilling machine) until you obtain a creamy, homogenous, easy-to-process mix with adequate fluidity. If insufficient water is added, the product may lose some of its adhesive properties. Wait 10 minutes for the chemical reactions to take place and then mix vigorously again.

For basaltic mineral wool boards, in order to increase adherence between the board and the adhesive, it is mandatory to apply a first thin layer of adhesive with a stainless steel grouter before applying the support board.

For flat, plastered surfaces, the adhesive is applied all over the surface of the mineral wool board, with a 10-12 mm serrated grouter, and then the board is pressed against the surface that needs insulation.

For uneven surfaces, the paste is applied over the mineral wool board in the form of stains, at approximately equal distances, 15-20 cm, and on the edges in a 3-4 cm wide strap, so that at least 40-45% from the surface of the mineral wool board is covered (check regularly).

To increase adherence on the mineral wool board, it is recommended, prior to gluing, to apply a thin layer of adhesive all over the surface of the board with a metal grouter, and then to apply adhesive (in points, or all over the surface, depending on the flatness of the surface).

The mineral wool board is pressed against the surface to be insulated. Final flat surface is obtained by pressing multiple boards on the surface, with a long, wooden or metal smoothing board.

Adherence of the paste is verified by touching the surface with your fingers spread. If the paste gets glued on your fingers, it means that it has an adequate adherence.

24-48 hours after applying the mineral wool cushions (72 hours for applying with adhesive in certain points and on the edges), when the adhesive is completely dry, they are fixed with 4-8 pins/sm and then, on top of the mineral wool, apply the same adhesive with a 6 x 6 mm / 10 x 10 mm serrated grouter. Starting at the top of the surface, layout a coated glass fiber netting for the thermo system, with 5 x 5 mm up to 10 x 10 mm meshes and press it inside the formed lines. With the right side of the grouter, introduce it evenly into the adhesive. Netting rows are overlapping on portions of minimum 10 cm. At the corners of doors and windows, additional reinforcing is done, diagonally, with 20 cm long and wide reinforcing mesh strips. We recommend to use a reinforcing mesh resistant in an alkaline environment and with a minimum weight of 145 gr/sm (optimum: 160 gr/sm).

Surface obtained is also finished with the polystyrene adhesive, until you obtain a flat surface, ready to be finished with decorative plasters.

WARNING: ON HIGHLY ABSORBENT SURFACES, SUCH AS ACC, OLD OR NEW BRICK BUT HIGHLY ABSORBENT, ETC., BEFORE GLUING WITH MINERALWOOL KLEBER, PRIME THE SURFACE WITH A CEMENT SPRITZ AND LET TO HARDEN FOR 24 HOURS.

Surface is finished after minimum 72 hours (recommended 7 days) with all materials known not to contain organic solvents. We recommend coating with silicone-type structured decorative plasters, from the ADEPLAST COLOR SYSTEM range, as a finishing layer.

Important:

- Consideration must be given to additional measures for the protection of surfaces against fast dehydration, bad weather or frost;
- During application and hardening, avoid exposure of the surface to direct sunlight and strong air currents;
- Comply with the information in the technical security sheet;
- This technical sheet replaces all previous versions. Information in this technical sheet represent our experience with this product up to this day. This technical sheet does not clear the user of the product from making his own decision and evaluation including by samples, regarding the appropriateness of using the product. SCHOMBURG / ADEPLAST products as well as their aggregate raw materials are continuously monitored in our own laboratories for consistent quality. Our advisory service is available for questions regarding product application and demonstrations. Comply with the information in the security technical sheet.