

Technical 08.01.2015

OSB KLEBER

Adhesive for expanded polystyrene for indoors and outdoors, on OSB support

Use:

Adhesive mortar for interior and exterior works for applying thermo insulating or decorative expanded polystyrene boards (facades, with a max. density of 15 kg/m³), on OSB, PAL, etc. supports, destined for plating with expanded and extruded polystyrene (on facades), on classic and wooden bases, in areas with extreme climate (mountain areas, with low temperature, etc.). Product does not apply on wood, plastic, metal, etc.

Characteristics:

- Very good adherence on wooden, OSB supports
- Easy processing
- High resistance
- High flexibility



Technical data:

Item No.:	OSB KLEBER
Material foundation:	Cement, mineral aggregates, polymers, plasticizer
Adherence to concrete base:	Min. 0,08 N/mm ²
Adherence to polystyrene base:	Min. 0,08 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:

For 25 kg, mix homogenously approx. 6 - 6,5 liters of water with an electric mixer with a shaft for adhesives. Leave to rest 5 to 10 minutes and then give a brief, vigorous mix one more time.

For flat surfaces such as OSB, it is mandatory that the adhesive is applied all over the surface of the polystyrene board, with a 10-12 mm serrated grouter, and then the thermo insulating board is pressed against the surface that needs insulation.

The polystyrene 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 hours after applying the thermo insulating and acoustic boards (72 hours for applying with adhesive in certain points and on the edges), they are fixed with 4-6 pins/sm, special pins on wooden supports, and then, on top of the polystyrene board or the rigid mineral board, 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.

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

Surface is finished after minimum 72 hours (recommended 7 days) with any type of standard decorative material that does not contain organic solvents. For insulation with expanded and extruded polystyrene, we recommend coating with 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.