PB02 BASE COAT & ADHESIVE for BOARD

PB02 Base Coat & Adhesive is one-component, polymer-modified, flexible cement based, dry powder material used as an adhesive and base coat for wall gap.
It is easy to use by just adding water, improving on-site quality control. It shows excellent adhesion between substrate and expanded polystyrene boards when used as an adhesive. It also provides an excellent basecoat for embedding glass fiber mesh on top of which finishing coat is applied.
It is a mineral adhesive and reinforcing mortar in acc. with EN 998-1

FEATURES AND BENEFITS

- Water resistant
- Excellent adhesion
- Good flexural strength
- Good impact resistance
- Easy to use

AREA OF USE

- PB02 Base Coat & Adhesive is used as an adhesive between mineral substrates and expanded polystyrene boards.
- PB02 Base Coat & Adhesive is used as an embedding mortar applied over the boards to embed the glass fiber mesh prior to application of finish coats.
- For interior and exterior use.
- For all mineral and almost all organic substrates.

MIXING INSTRUCTION

- Use clean equipment for mixing and preparation.
- PB02 Base Coat & Adhesive powder : water = 4 : 1 parts by weight 25 kg powder : approx. 6.3 liter water
- Add 6-7 quarts (5.7 - 6.7 L) of cool clean potable water. Add PB02 Base Coat & Adhesive and mix to a homogenous consistency.
- It is mixed using a high speed drill.
- Small amounts of clean potable water may be added to adjust workability.
- Let the mixture stand for five minutes after initial mixing, then stir again, re-tempering once only as needed for workability.
- PB02 Base Coat & Adhesive should be used immediately after tempering.
- Half batches may be mixed for convenience.

APPLICATION

Substrate:

- The substrate must be firm, dry, clean and load bearing, frost-free as well as free of sinter layers, efflorescence and separating agents. Critical substrates must be tested for suitability (create test surface).
- If necessary, cleaning and/or priming of the substrate should be carried out.
- Air and substrate temperature should not be less than + 5 °C, not more than + 35 °C (until the material has completely set).

Adhesive:

- Apply adhesive manually or by machine to the insulation board or to the wall.
- Apply the PB02 Base Coat & Adhesive to the entire surface on one face of the insulation board, using a 5/8 in. (16mm) notched trowel for masonry and

concrete or a 5/16 in. (8 mm) notched trowel for sheathing.

- Adhesion share with adhesive application on the wall With Boards min. 70 % of the board in adhered condition
- The insulation boards must immediately be pressed into the fresh adhesive mortar bed, then floated in and pressed on.
- The adhesion share with adhesive application onto the board minimum 60 % of the board in adhered condition.

Reinforcement:

- Rasp board after 24 hours and when adhesive has fully cured and bonded.
- Using a stainless steel trowel, apply the PB02 mixture to the rasped surface of the insulation board to a uniform thickness of 1/16 - 3/32 in. (1.5 - 2.4 mm).
- Bed the Fiber Glass Mesh immediately in the wet PB02 mixture.
- The Fiber Glass Mesh must be overlapped approx. 10 cm in the joint area.
- At building openings (window, door reveals etc.), diagonal reinforcement must be carried out.
- Smooth the surface of the PB02 mixture with a trowel until the Fiber Glass Mesh is fully embedded and the base coat thickness is approximately 1/16 in. (1.5 mm). The pattern of the reinforcing mesh should not be visible at the surface of the PB02 material.
- Apply initial layer of base coat, followed by a second layer of base coat when the first layer is fully dry, for a total dry thickness of 1/8–1/4 in. (3–6mm).
- A quick drying at high temperatures has to be avoid (sprinkle with water).

COVERAGE:

Depending on the condition of the substrate and method of application, approximate coverages are:

- As adhesive for Boards, 4.5 – 6.0 kg/m²
- As adhesive – application on the wall – for Boards, 6.5 – 8.0 kg/m²
- As reinforcing material on Boards, 4.0 – 7.0 kg/m²

HEALTH & SAFETY

Avoid prolonged contact with eyes and skin.
For detailed information refer to relevant material safety data sheet.

PACKAGING

Product is supplied in 25kg Paper Sacks.

STORAGE

- Store containers in a clean dry area protected from direct sunlight and extreme heat and cold.
- Unopened containers can be stored for 12 months.
- Use oldest material first.

TECHNICAL INFORMATION

PRODUCT INFORMATION	
Density of solid mortar	1.6 g/cm3
Flexional strength (after 28 days)	3 N/mm²
Compressional strength (after 28 days)	7 N/mm²
Dynamic E-modulus (after 28 days)	5000 - 6000 N/mm²
Thermal conductivity λ	0,87 W/(m·K)
Water vapor diffusion: μ value	15 - 35
Water absorption	0.14 kg/m²

For further information consult our Technical Department
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