

BARBOTHERM COMPOUND POWDER

COMPOUND FOR EXTERNAL THERMAL INSULATION (ETICS)

Ref. 1434

TECHNICAL IDENTIFICATION

Compound based on fillers, fibres and specially selected aggregate.

AREA OF USE

Intended as an adhesive for insulation boards (EPS, ICB, XPS, mineral wool, etc) on masonry, cement render, concrete, etc. This product is also used for coating already installed boards and when executing reinforced thin render.

PROPERTIES

- Sandy appearance compound.
- Excellent resistance to alkalinity.
- Good water vapour permeability.
- Excellent adhesion to cement render, bricks, etc.

PHYSICAL CHARACTERISTICS

- Colour	Grey.
- Practical coverage	7 to 10 kg / m ² as adhesive and levelling layer, depending on the substrate conditions.
- Drying time	2 to 5 days, depending on the weather conditions.
- Flash point	Non-flammable.
- Volatile Organic Compounds (VOC)	Not applicable.*

APPLICATION CONDITIONS

- Preparation of surface	Surfaces to be painted must be completely dry and free from dust, grease and loose particles. The substrate must not have irregularities of more than 1 cm, in which case the surface must be levelled to make it as flat as possible.
- Environmental conditions	Ambient temperature – Above 5 °C Relative humidity – Below 80% Substrate humidity – Below 5% Substrate temperature – 2 to 3 °C above dew point

APPLICATION INSTRUCTIONS

- Product preparation	Mix BARBOTHERM COMPOUND POWDER (25 kg) with 20% to 30% clean water (between 5 and 7.5 L). Use a mechanical system (drill or other) to obtain a perfectly blended mortar. Use the compound during the next three hours.
• Adhesion of insulation boards	The mortar will be applied to the back of the boards. On a slightly irregular substrate, apply the mortar forming a line round the edge of the board, adding two dots of mortar in its centre, or apply the mortar in equidistant dots (6 to 9 dots). On a level substrate, spread the mortar over the whole board using a notched trowel (9 mm).
• Application of the coating	After the boards have been glued and they are dry and firm, spread the whole surface of the boards with BARBOTHERM COMPOUND POWDER, using a 6 mm notched trowel and then cover with Mi166 fibreglass mesh, overlapping the strips of mesh at least 10 cm. Apply a second layer after 12 hours. Wait at least 72 hours before applying the finish intended.
- Cleaning solvent	Water.
- Quantities available	25 kg.

RECOMMENDATIONS

Never apply in temperatures of less than 5°C or more than 30°C.
Do not apply in sun, rain, strong wind, to frozen surfaces or surfaces likely to freeze.
Respect the existing expansion joints, using specific solutions for this purpose.
Apply a special reinforcement in areas around windows.
Do not apply to horizontal surfaces or surfaces at an angle of less than 45°, exposed to the elements.
Protect upper edges of the coating from rainwater.

STORAGE STABILITY

Minimum Temperature – 5 °C
Maximum Temperature – 35 °C

CONSERVATION

Store for 12 months after the manufacturing date in closed packaging, protected from humidity.

RISKS AND SAFETY

See safety data sheet at www.barbot.pt

The characteristics of this product may be altered without prior notice due to the continuous research and development policy at Barbot – Indústria de Tintas, S.A. This information is based on our current knowledge of the product, however since conditions of use are beyond our control, we give no guarantee of results.

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(replaces September 2010 specifications)

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