

THERMOPLAST

Adhesive and Plaster for EIFS Thermal Insulation System

Description

THERMOPLAST is a premium grade, polymer modified water resistance adhesive and plaster for external insulation finishing system (EIFS). It provides excellent adhesion and finishing when used with rock wool, expanded or extruded polystyrene boards.

THERMOPLAST is consisting of hydraulic cement, synthetic polymer, fiber reinforcement, silica sand and special chemical additives. The applied material will provide excellent bonding, high water and impact resistance layer, mechanical properties and durability.

Features & Benefits

- Single component, easy to apply
- Quality controlled, ready-mix
- Excellent adhesion to polystyrene, rock wool, block, plaster and concrete substrates.
- Can be finished with any topcoats such as paint, textures...etc.
- Excellent mechanical and impact resistance
- Weather resistance.
- Economical.
- Eco-Friendly
- Durable

Uses

THERMOPLAST can be used as adhesive and plaster coat for thermal insulation systems. It is approved for bonding to the following substrates:

- Polystyrene boards, Rock Wool sheets
- Concrete and Masonry
- Cement board
- Fiber mesh reinforcement
- Bricks and blocks

Technical Properties

Appearance	Cementitious mix
Color	Grey / White
Mix Density	1,750 Kg/m ³ approx.

Mix Pot Life	30 minutes
Compressive strength	15 N/mm ² @ 28 days
Flexural Strength	3.0 N/mm ² @ 28 days
Adhesion to surface	0.15 N/mm ²
Water absorption	0.16 (Kg./m ² . h ½)
VOC	<1.0 g/L
Moisture resistance	Excellent
Ageing resistance	Excellent

All values are subject to 5-10% tolerance

Standards Compliance:

- ASTM C 518
- DIN 52617
- UNI EN 1015-11

Application Procedures

Surface preparation:

All surfaces must be free from dust, loosely adhered material, cement droppings, grease, oil, etc.

Mixing Instructions:

Pour into container about 5.5 Lt. of clean water then slowly add the content of the bag (25 Kg.) of **THERMOPLAST** and mix till obtaining a homogeneous product using a slow speed electric drill. Mix till a smooth consistency is obtained. Allow the mix to stand for 5 minutes then remix again.

Application Instructions:

As board adhesive, cover the entire back of the insulation board with the product using notched trowel in thickness of 6mm. an alternative method is to apply spots of material to the back of the board at least 5 mm thick and 50 mm in diameter, making sure that the material covers minimum 50% of the board.

Place insulation board on wall and push firmly. Using a block of wood, apply equal and even pressure to allow maximum bond to be achieved. After adhering insulation

board to the wall, wait for 24 hours before plaster application.

Apply the base coat of THERMOPLAST plaster in a thickness of 2-3mm using stainless-steel trowel. While the base coat is still wet, embed the fiber mesh reinforcement sheet, allow 50 mm overlap between layers. Care must be taken to fix the edges firmly together. Trowel from the center to the edges with the curve of the mesh against the wall, avoiding wrinkles. Apply until the mesh is fully covered and not visible.

After 24 hours, apply the second layer of **THERMOPLAST** in a thickness of 3-4mm and allow to dry for minimum 2 days prior to application of decorative topcoat.

Coverage

Each 25 Kg. bag will cover approximately 5.5 square meters of surface at 3 mm thickness

Packaging

THERMOPLAST is available in 25kg bag.

Storage

Keep the product in dry and sheltered place at temperature between +5°C to +35°C. In these conditions and in closed original containers, the product will have a shelf life of at least 12 months.

Health and Safety

Wear gloves, goggles to avoid any contact with eyes and skin. In case of splashes in the eyes wash abundantly with warm water and consult a doctor.

For further information or particular use, contact SBI Technical Department.

Quality & Care

All products produced in SBI facilities are manufactured under a management system certified to conform to the requirements of the quality and environmental health & safety standards ISO 9001 & ISO 14001.

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