TECHNICAL DATA SHEET

THERMOGLUE

Board Adhesive for EIFS Thermal Insulation System

Description

THERMOGLUE is a ready to use polymer modified cementitious adhesive for boards used in external insulation finishing system (EIFS). It provides excellent bonding for EPS (Expanded Polystyrene), XPS (Extruded Polystyrene) and Mineral Wool insultation boards used in EIFS/ ETICS insulation systems.

THERMOGLUE consists of Portland cement, synthetic polymer, fiber reinforcement, silica sand and special chemical additives. The applied material will provide excellent durable adhesion between the board and substrate.

Features & Benefits

- Single component, easy to apply.
- Ready to use, control quality at site.
- High bonding and water resistance properties.
- Excellent flexural strength.
- Weather resistance.
- Eco-Friendly
- Durable

Uses

THERMOGLUE can be used as adhesive and bonding layer for insulation boards in EIFS/ ETICS thermal insulation systems. It is approved for bonding the following type of boards on cement based substrates:

- Expanded Polystyrene boards (EPS)
- Extruded Polystyrene boards (XPS)
- Mineral Wool (MW)
- Cement Boards

Technical Properties

Appearance	Cementitious Powder
Color	Grey
Mix Density	1,750 Kg/m^3 approx.
Mix Pot Life	60 minutes
Open time	20 minutes @ 25 ^oC
Adhesion strength (on concrete)	≥1.0 N/mm^2 @ 28 days
Water Resistance	Excellent
Moisture resistance	Excellent
Ageing resistance	Excellent
VOC	<1.0 g/L

All values are subject to 5-10% tolerance

Standards Compliance:

- ETAG 004: 2000
- ASTM E 2134
- ANSI / EIMA 99-A
- ISO 17738-3

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- 5.5 Lt. of clean water then slowly add the content of the bag (25 Kg.) of **THERMOGLUE** 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:

Apply the adhesive mortar on the entire back of the insulation board using notched trowel in a 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 40% 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.

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Coverage

4- 6 Kg per square meter of board depends on substrate level and roughness.

Packaging

THERMOGLUE is available in 25kg bag.

Storage

Keep the product in dry and sheltered place at temperature between +5ºC to +35ºC. 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.

SBI products are guaranteed against defective materials and manufacture and are sold subject to its standard Conditions for the Supply of Goods and Service. All SBI datasheets are updated on a regular basis. It is the user's responsibility to obtain the recent version.

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