POMEX THERMAL INSULATION ADHESIVE MORTAR

Adhesive Mortar for Thermal Insulation Boards

Description

It is a cement-based adhesive used for bonding thermal insulation boards with polymer additives.

Areas of Usage

It is used in all kinds of constructions to bond XPS, EPS and rock wool thermal insulation boards.

Features of Product

*It adheres perfectly.
*It has a long working period.
*It is easy to prepare and apply.

Application Procedure

Surface Preparation

The surface to be applied must be solid, clean, dust-free, already set, and should be leveled. Cracks and holes on the surface should be repaired using eile TH 60 or eile TH 70. In highly absorbent surfaces, the risk of early drying and spalling of the adhesive mortar should be eliminated. To enhance the performance of the adhesive mortar, appropriate moisture level or priming may be necessary. Necessary measures should be taken for waterproofing in areas exposed to water. The building or facade surface should be aligned horizontally and vertically by pulling strings.

Mixing

The appropriate amount of water is poured into a clean mixing container using a scale. **POMEX Thermal Insulation Mortar** is slowly added to this container. Mix with a low-speed mixer for 3 - 5 minutes until a homogeneous mixture is obtained. After resting for 5-10 minutes, the material is mixed again for 20-30 seconds until it is ready for use.

Mixture ratio

For 25 kg powder: 5.5-6.5 liters of water

For 1 kg powder: 0.220-0.260 liters of water

Application

Point Bonding Method: The adhesive mortar is applied in a strip along the edges of the insulation boards, leaving a 5 mm gap. Three large pieces of mortar are applied in a spot-like manner in the middle of the boards using a mortar trowel. Care should be taken to ensure that 40% of the surface area of the insulation board is covered with adhesive.

Notched Trowel Method: The adhesive mortar is evenly spread over the surface or insulation board using a notched steel trowel. This method is preferred when the surface to be applied is even. After applying the adhesive, the insulation boards are placed on the wall surface without leaving any gaps.

Consumption: 4-5 kg/m^2

Points to Consider

* For **POMEX THERMAL JACKETING ADHESIVE MORTAR** application, if the ambient temperature is below +5°C or above +30°C, the suitable conditions should be met. Application should not be performed in extreme heat, rainy, or windy weather conditions.
* Water and new material should never be added to the mixture that has started to dry.

*The insulation panels attached with POMEX Thermal Insulation Adhesive should be secured to the surface with appropriate dowels.

*The prepared mixture should be consumed within 90 minutes.

*For plaster application on the surfaces bonded with POMEX Thermal Insulation Adhesive, a minimum of 2 days of waiting time is required.

Cleaning of Tools

The tools and equipment used during the application should be cleaned with water. **POMEX THERMAL JACKETING ADHESIVE MORTAR** can be removed only mechanically after it hardens.

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Packaging

25 kg Kraft bag

Storage: Unopened original packaging should be stored stacked up to a maximum of 10 layers in a cool and dry environment.

Shelf Life: Under the specified storage conditions and in unopened packaging, the shelf life is 12 months from the production date.

Technical Features

Structure of the material: Mineral fillings, special additives and cement.
Color: Grey
Application temperature: +5 ^{0}C /+30 ^{0}C
Pot Life: 90 minutes (20 ^{0}C)
Maturation period (waiting period for the application after mixing the material)**:** 5-10 minutes
Consumption: 4-5 kg/m2
Adherence strength to the thermal insulating board: ≥0.08 N/mm^2

The typical values above are valid for the performances of the applications 28 days after their finish at +23°C for 50% relative humidity. The values might change due to the differences in the worksite environment.

Safety Recommendations: During application, appropriate workwear, protective gloves, goggles, and masks in accordance with occupational health and safety regulations must be worn. Avoid contact with skin and eyes; if contact occurs, wash thoroughly with plenty of water. In case of ingestion, seek medical attention immediately. Store out of the reach of children. No food or drink should be kept in the areas where the application is taking place.

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