

**1169 Mantotech****Description**

Cement-based thermal insulation board adhesive.

Fields of Application

- Interior and exterior walls of all buildings; adhesion of XPS, EPS and Stone Wool thermal insulation boards.

Properties

- Specially designed for thermal insulation systems and offers high adhesion strength.
- Easy-to-apply with its superior application and grounding properties.
- Extended open time.

Preparation of Substrates

- Substrates must be sound and cured.
- Remove any residue which may prevent adhesion.
- Cracked plasters mortar and cement residues must be scraped off the surface.
- Use Tamirart in case of uneven substrates to get a sound and flat surface.

Application

- Pour 25 kg of powder into 5.5 - 6 lt of water slowly and mix to obtain a homogenous mortar free from lumps. Allow the mortar to stand for 5-10 minutes to mature and remix it before the application.
- If there are level differences on the surface, apply mortar to the whole back-side edges of the board, apply in dots at the middle section and press to the wall.
- If the surface is even, you can apply adhesive mortar by raking method.
- Check the level of boards with a float or a water gauge.

Post-Application Protection & Suggestions

- Consume the prepared mortar within 3 hours. Dispose of the mortar which has exceeded its pot life.
- Fix mechanically after 24 hours at minimum depending on the environment temperature and surface properties.
- Mantotech should be used within shelf life. Products which have completed their shelf life should not be used during application.
- The consumption values in the table refers to an average consumption amount. It may vary depending on the application conditions and surface properties.
- Since it contains cement, it irritates the eyes, respiratory system and skin. For further information refer to the safety data sheet.

Storage

- Packages should be kept dry and cool at between +5°C and +35°C in moisture free conditions. Avoid direct sunlight.
- Packages should be protected from water, frost and adverse weather conditions.
- Do not stack more than 10 bags on top of each other.
- Shelf life is maximum 12 months conditional to complying with the above mentioned conditions.

Packaging

- 25 kg multi-ply paper bags.

**Certificates of Quality**

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Technical Specifications

(23 °C and 50% RH)

General Data

Colour	Grey powder
Application Tools	Notched trowel, trowel
Shelf Life	12 months when stored in the original sealed packaging in dry place.
Packaging	25 kg multi-ply paper bag

Application Data

Application Temperature Range	(+5°C)-(+35°C)
Pot Life	3 hours
Mixing Ratio	5.5-6 lt water / 25 kg powder
Consumption	4-5 kg/m ²

Performance Data

Adhesion to the Thermal Insulation Board (EN 13494)	Min. 0.10 N/mm ²
Water Absorption (EN 12808-5)	30 dk. max. 5 gr / 240 dk. max. 10 gr
Flexural Strength (EN 1015-11)	Min. 2 N/mm ²
Compressive Strength (EN 1015-11)	Min. 10 N/mm ²
Adhesion Strength of Hardened Rendering and Plastering Mortars on Substrate (EN 1015-12)	Min. 0.7 N/mm ²