

**4169 Mantoplast****Description**

Cement-based thermal insulation board plaster.

Fields of Application

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

Properties

- Interior and exterior wall
- Specially designed for thermal insulation systems, and offers high flexibility and bonding strength.
- Resistant to weather, water and impact.

Preparation of Substrates

- Surfaces of the thermal insulation board must be clean and free from dust.
- There should be no gaps between the thermal insulation boards.

Application

- Pour Mantoplast on the amount of clean water specified in the technical table slowly and mix to obtain a homogeneous paste free from lumps. A low speed mixer is recommended to mix.
- Allow to stand for 5-10 minutes to mature. After remixing the paste is ready for application.
- Apply the mortar on the boards using a steel trowel. Notch the first coat of plaster with a 4x4mm tooth thickness notched trowel for homogenous thickness. Gently press and fit in reinforcement mesh using a steel trowel before the plaster mortar dries.
- Apply in 10 cm overlaps at the joints of reinforcement mesh.
- Apply the 2nd coat before the 1st coat of plaster slightly dries.
- Smoothen the surface with a steel trowel after the 2nd coat.

Post-Application Protection & Suggestions

- Consume the prepared mortar within 3 hours. Dispose of the mortar which has exceeded its pot life.
- Should be used within shelf life. If shelf life have expired 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**

TSE 13687:2016: April 2019 (February 2017)



4169 Mantoplast

Technical Specifications

(23 °C and 50% RH)

General Data

Colour	Grey powder
Shelf Life	12 months when stored in the original sealed packaging in dry place.
Packages	25 kg paper bag

Application Data

Consumption	1.7 kg/m ² /mm
Application Temperature Range	(+5°C)-(+35°C)
Applications Tools	Steel trowel
Pot Life	3 hours
Mixing Ratio	6- 6.5 lt water / 25 kg powder

Performance Data

Flexibility	High
Adhesion to the Thermal Insulation Board (EN 13494)	Min. 0.10 N/mm ²
Water Absorption (EN 1015-18)	≤ 0.2 0 kg/m ² dk ^{0.5} W2
Flexural Strength (EN 1015-11)	Min. 2 N/mm ²
Compressive Strength (EN 1015-11)	Min. 10 N/mm ²
Water Vapor Permeability Coefficient	Max.15