



## MT - 450 MATITHERM



### PACKAGE

25 kg



### MIXING RATIO

5.5-6.5 L / 25kg



### CONSUMPTION

4-5 kg/m<sup>2</sup>

### Description

MT-450 MATITHERM is a cement-based thermal insulation board adhesive.

### 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.

### Application

- Pour 25 kg of MT-450 MATITHERM into 5.5 – 6L 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.
- MT-450 MATITHERM should be used within shelf life. Products which have completed their shelf life should not be used during application.

### Shelf Life

12 months when stored in the original sealed packaging in dry place.

### Storage

Store in dry medium. Do not stack more than 10 bags on top of each other.

**TECHNICAL DATA** (IN +23°C AND 50% U.R.)

Form	Powder
Colour	Grey/White
Storage	12 months when stored in the original sealed packaging in a dry place.
Mixing Ratio	5.5-6 litres of water / 25 kg
Application Temperature	(+5°C) - (+35°C)
Pot Life	3 Hours
Adhesion to the Thermal Insulation Board	Min. 0.10 N/mm <sup>2</sup>
Water Absorption	30 dk. max. 5 gr / 240 dk. max. 10 gr
Flexural Strength (EN 1015-11)	Min. 2 N/mm <sup>2</sup>
Compressive Strength (EN 1015-11)	Min. 10 N/mm <sup>2</sup>
Adhesive Strength of Hardened Rendering and Plastering Mortars (EN 1015-12)	Min. 0.7 N/mm <sup>2</sup>
Service Temperature Range	(-30°C) - (+80°C)
Reaction to Fire	A1
Dangerous Substances	See SDS