



MT - 500 MATIFIX 2IN1



PACKAGE

25 kg



MIXING RATIO

6-6.5 L / 25kg



CONSUMPTION

4-5 kg/m²

Description

MT-500 MATIFIX 2IN1 is a cement-based thermal insulation board adhesive mortar and general-purpose interior/exterior plaster mortar.

Properties

- Specially designed for Thermal Insulation Systems, offers high adhesion strength.
- High flexibility and bonding strength.
- Can be used both as adhesive and plastering mortar.
- Resistant to weather, water and impact.

Application (Adhesive Application)

- Substrates must be sound and cured. Remove any residue which may prevent adhesion. Use repairing mortar MATIART in case of uneven substrates to get a sound and flat surface.
- Pour 25 kg of MT-500 MATIFIX 2IN1 into 7.00-7.50L 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.
- Consumption is 4-5 kg/m².
- If there are level differences on the surface, apply the mortar to the whole back-side edges of the board, apply in dots in 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.
- Consume the prepared mortar within 3 hours. Dispose the mortar which has exceeded its pot life.

-Fix mechanically after 24 hours at minimum, depending on the environment temperature and surface properties.

-Product application temperature and storage conditions should be between +5°C and +35°C.

Application (Plaster Application)

- Surfaces of the thermal insulation board must be clean and free from dust.
- Pour 25 kg of MT-500 MATIFIX 2IN1 into 7.00-7.50L 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.
- Consumption is 4-5 kg/m².
- 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 the reinforcement mesh, using a steel trowel before the plaster mortar dries.
- Apply in 10 cm overlaps at the joints of the reinforcement mesh.
- Apply the second coat before the first coat of plaster slightly drips water.
- Smoothen the surface with a steel trowel after the second coat.
- Consume the prepared mortar within 3 hours. Dispose the mortar which has exceeded its pot life. Apply breathing topcoat material after the plaster mortar is completely dry.
- Product application temperature and storage conditions should be between +5°C and +35°C.

Shelf Life

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

Storage

MT-500 MATIFIX 2IN1 thermal insulation board adhesive and plaster mortar must be stored in a dry environment in 10-layer stacks maximum.

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	6-6.5 litres of water / 25 kg
Application Temperature	(+5°C) - (+35°C)
Pot Life	3 Hours
Adhesion to the Thermal Insulation Board	Min. 0.08 N/mm ²
Water Absorption (EN 1015-18)	≤ 0.40 kg/m ² dk ^{0.5} W2
Flexural Strength (EN 1015-11)	Min. 2 N/mm ²
Compressive Strength (EN 1015-11)	≥ 6 N/mm ² CS IV
Bonding Strength – Type of Break (EN 1015-12)	≥ 0.5 N/mm ² - B
Bulk Density of Hardened Mortar (EN 1015-10)	1400 ± 100 kg/m ³
Water Vapor Permeability Coefficient (μ) (EN 1745)	5/20
Thermal Conductivity (EN 1745)	0.44 W/mK (P=50%)
Service Temperature Range	(-30°C) - (+80°C)
Reaction to Fire	A1
Dangerous Substances	Complies