



MA - 515 MATIFIRE



PACKAGE

25 kg



MIXING RATIO

4,75L / 25 kg



CONSUMPTION

3-5 kg/m²

Description

MA-515 MATIFIRE is a high-quality cement based refractory mortar that is used in environments with high temperature.

Properties

- Perfect adherence.
- Can be applied on vertical surfaces even for bonding heavy tiles.
- Can be applied easily.

Application

- Substrates must be sound, free from oil, grease and sufficiently dry. Cementitious substrates must be cured.
- Use repairing mortar in case of uneven substrates to get a sound and flat surface.
- Wipe the back side of tiles with water if dusty.
- Pour 25 kg of MA-515 MATIFIRE into 4.75L of water slowly and mix to obtain a homogeneous paste free from lumps. A low-speed mixer is recommended to mix. Do not add any additive which is not mentioned in the instructions for the application.
- Allow to stand for 5-10 minutes to mature. After 1-2 minutes remixing, the paste is ready for application.

-Consumption is 3-5 kg/m².

- Consume the prepared mortar within 6 hours.
- Spread the mortar onto the substrate with a notched trowel, the notch size of which is appropriate to the tile dimension. To obtain a good adhesion, first apply a thin coat of the mortar with the flat side of the trowel, then notch with the toothed side of the trowel.
- Open time is 30 minutes. Install the tiles within this period with firm pressure. Unfavourable climatic conditions (high temperature, low humidity, wind, etc.) can reduce this time to just a few minutes. If this period is exceeded, scratch and discard the mortar.
- Clean tools and hands with water, surfaces with a damp cloth.
- Tiles installed with MA-515 MATIFIRE must not be subject to water for at least 24 hours.
- 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

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

TECHNICAL DATA (IN +23°C AND 50% RH.)

Form	Powder
Colour	Grey/White
Storage	12 months when stored in the original sealed packaging in a dry place.
Mixing Ratio	4.75 litres of water / 25 kg powder
Application Temperature	(+5°C) - (+35°C)
Bulk Density of Dry Mortar	1.55 ± 0.10kg/l
Bulk Density of Wet Mortar	1.80 ± 0.10kg/l
Compressive Strength (EN 1015-11)	Category M25
Flexural Strength	> 6 N/mm ²
Initial Shear Strength	0.15 N/mm ²
Density (Dry Hardened Mortar) (EN 1015-10)	1,700 kg/m ³
Water Absorption (EN 1015-18)	0.3kg/m ² min ^{0.5}
Water Vapor Permeability (EN 1745)	μ 15/35
Thermal Conductivity (λ _{10, dry}) (EN 1745)	0.75 W/mK
Pot Life	3 Hours
Service Temperature	Up to +1 200°C
Reaction to Fire (EN 13501-1)	A1
Dangerous Substances	See SDS