



## MA - 305 MATILAST



### PACKAGING

25 kg



### MIXING RATIO

7.75-8.25 L / 25kg



### CONSUMPTION

3-5 kg/m<sup>2</sup>

### Description

MA-305 MATILAST is a high-performance cementitious adhesive with extended open time and reduced slip.

### Field of Application

- Interior and exterior floor and wall bonding of all types and sizes of ceramic tiles, natural stone, marble, granite, porcelain ceramic, clinker, cotto on cementitious renders, cementitious screeds and concrete.
- Bonding of tiles on existing ceramic tile, granite.
- Bonding of tiles on places subject to heavy traffic like shopping malls, hospitals, schools.

### Properties

- Perfect adherence.
- Can be applied on vertical surfaces even for bonding of heavy tiles without sagging.
- Easily trowelable.

### Preparation of Substrate

- Substrates must be sound, free from oil, grease, and sufficiently dry. Cementitious substrates must be cured.
- Cracked plasters mortar and cement residues must be scraped off the surface.
- The porous surfaces should be wetted and must be left to dry before application.
- Use MATIART in case of uneven substrates to get a sound and flat surface. Use MP-829 GYPSOPRIME on anhydrite screeds.
- The surface should be primed with MP-809 ACRYPRIME depending on the absorbency of the substrate before application.
- Exposed concrete surfaces should be primed with MP-819 BETOPRIME to increase the adhesion strength of tile adhesive.
- Wipe the back sides of tiles with water if dusty.

### Application

- Pour 25 kg of MA-305 MATILAST into 7.75 – 8.25L of clean 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/m<sup>2</sup>.
- Consume the prepared mortar within 4 hours.
- Spread the mortar onto the substrate with a notched trowel of which notch size is appropriate to the tile dimension. To obtain a good adhesion first apply a thin coat of MA-305 MATILAST with the flat side of the trowel, then notch with the toothed side of the trowel.
- Application of large tiles (greater than 40x40), on existing tiles or which are subject to frost or heavy traffic, MA-305 MATILAST should be applied also on the back of tiles. (Combined method)
- Open time is 30 minutes. Install the tiles within this period with a 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.

**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.

## 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	7.25-7.75 litres of water / 25 kg grey powder 7.75-8.25 litres of water / 25 kg white powder
Application Temperature	(+5°C) - (+35°C)
Application Thickness	Up to 10mm
Pot Life	4 Hours
Slip (EN 12004-2)	≤0.5mm
Open Time (EN 12004-2)	After 30 minutes ≥ 0.5 N/mm <sup>2</sup>
Tensile Adhesion Strength (EN 12004-2)	
- Initial	≥ 1 N/mm <sup>2</sup>
- After Heat Exposure	≥ 1 N/mm <sup>2</sup>
- After Immersion in Water	≥ 1 N/mm <sup>2</sup>
- After Freeze/Thaw Cycles	≥ 1 N/mm <sup>2</sup>
Service Temperature Range	(-40°C) - (+80°C)
Reaction to Fire	A1
Dangerous Substances	See SDS