



## MA - 905 MATILIGHT



### PACKAGING

20 kg



### MIXING RATIO

6 – 6.5 L/ 20 kg



### CONSUMPTION

1,5-2,5 kg/m<sup>2</sup>

### Description

MA-905 MATILIGHT is a high performance, flexible, light weight, cement based tile adhesive with nano technological additives.

### Fields 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 all types and sizes of tiles and glass mosaics in swimming pools, Turkish baths, water tanks, basins and any other wet place.
- Bonding of ceramic tiles or granite on existing granite, ceramic, marble.
- Bonding of tiles on places where sudden temperature changes occur like cold storage depots and over floor heat installations.
- Bonding of tiles on places subject to heavy traffic like shopping malls, hospitals, schools.

### Properties

- Perfect adherence.
- Highly deformable, resistant to temperature changes.
- Extended open time.
- Can be applied on vertical surfaces even for bonding of heavy tiles without sagging.
- Can be applied easily.
- High adhesion strength.
- Approximately 40% less consumption than standard 25kg adhesive.

### Application

- Pour 20kg of MA-905 MATILIGHT into 6 – 6.5L 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 1.5-2.5 kg/m<sup>2</sup>.
- Consume the prepared mortar within 6 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-905 MATILIGHT 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 in places which are subject to frost or heavy traffic, MA-905 MATILIGHT should also be applied on the back of the 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.

### 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% RH.)

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 / 15 kg powder
Application Temperature	(+5°C) - (+35°C)
Application Thickness	Up to 10mm
Pot Life	6 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>
Deformability (EN 12002)	≥ 5mm – S2 Highly Deformable
Service Temperature Range	(-40°C) - (+80°C)
Reaction to Fire	Bs1d0
Dangerous Substances	See SDS