



## MA - 355 MASTERFLEX



### PACKAGING

25 kg



### MIXING RATIO

7-7.75 L / 25kg



### CONSUMPTION

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

### Description

MA-355 MASTERFLEX is a high performance cementitious flexible adhesive of the S1 classification, with extended open time and no vertical slip, for ceramic tiles and stones.

### Properties

- Perfect adherence
- Highly deformable
- Resistant to temperature changes.
- Can be applied on vertical surfaces even for bonding of heavy tiles.
- Extended open time.
- Easy to apply.

### Application

- Substrates must be cured, without oil, grease and sufficiently dry.
- Use MATIART in case of uneven substrates, to get a flat surface.
- If dusty, wipe the back side of the tiles.
- Pour 25 kg of MA-355 MASTERFLEX into 7,00 – 7.75L of clean water slowly and mix to obtain a homogeneous paste. A low-speed mixer is recommended to mix. Do not add any additive which is not mentioned in the instructions for the application.
- Allow the mortar to stand for 5- 10 minutes to mature. After 1-2 minutes of remixing, the paste is ready for application.
- 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 guarantee a good bond, apply a thin layer of MA-355 MASTERFLEX on the substrate using the smooth side of the trowel and then immediately apply a second layer of MA-355 MASTERFLEX to form the thickness required using a notched trowel suitable for the type and size of tiles to be bonded. Application of large tiles (greater than 40x40), on existing tiles or which are subject to frost or heavy traffic, MA-355 MASTERFLEX should be applied also on the back of tiles. (Combined method).

-Open time is 30 minutes. Install the tiles within this period of time 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.

-For walls wait 24 hours, for grounds wait 48 hours to allow the adhesive mortar to harden before grouting.

-Dispose mortars, the pot life of which is expired. Clean tools and hands with water, and surfaces with a damp cloth.

-Tiles installed with MA-355 MASTERFLEX 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 packaging in dry place.

**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	7-7.75 litres of water / 25 kg grey powder 7-7.5 litres of water / 25 kg white 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)	≥ 2.5mm – S1 Deformable
Service Temperature Range	(-40°C) - (+80°C)
Reaction to Fire	A2
Dangerous Substances	See SDS