

MA-405 MATIFLEX

High-performance, extra-flexible, polymer-modified, cement-based tile adhesive with extended open time and no vertical slip with Fibre Strength Tech.



PACKAGING

25kg



MIXING RATIO

7-7.5 L/25kg



CONSUMPTION

3-5 kg/m²

Description

MA-405 MATIFLEX is a high-performance, extra-flexible, polymer-modified, cement-based tile adhesive with extended open time and no vertical slip with Fibre Strength Tech. It provides high initial and final adhesion strength and moisture resistance.

Area of Use

- It is used for fixing all interior and exterior ceramic floor and wall tiles including absorbent and non-absorbent tiles, such as porcelain to a variety of substrates such as concrete, brickwork, etc.
- It can be used for fixing granite, natural stone, decorative bricks and large format tiles on various substrates such as concrete, brickwork, etc. both indoor and outdoor.
- It can be used for heated flooring.
- It can be used on metallic surfaces

Substrate Preparation

The surface to be covered with boards should be free of dust, grease, loose particles, paints, etc. It is recommended to dampen it before application. Use MATIART repair mortars in case of uneven substrates, to get a flat surface. If dusty, wipe the back of the tiles with water.

Application

MA-405 MATIFLEX is slowly added to water under continuous stirring, until a homogeneous paste is formed. A low-speed mixer is recommended for mixing. The mixture should be left to rest for about 10 minutes before is stirred again for a bit. To obtain a good adhesion, spread the mortar onto the substrate with the flat side of the trowel and notch with the toothed side. The notch sizes should be appropriate to the tile dimensions. Install the tiles on the notched mortar within this period with a firm pressure. Unfavourable climatic conditions (high temperature, low humidity, wind, etc.) can reduce this time. If this period is exceeded, scratch and discard the mortar. Tiles installed with MA-405 MATIFLEX must not be subject to water for at least 24 hours.

Consumption

It consumes 3-5kg/m² depending on the surface.

Features



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	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 ²
Tensile Adhesion Strength (EN 12004-2)	
- Initial	≥ 1 N/mm ²
- After Heat Exposure	≥ 1 N/mm ²
- After Immersion in Water	≥ 1 N/mm ²
- After Freeze/Thaw Cycles	≥ 1 N/mm ²
Deformability (EN 12002)	≥ 2.5mm – S1 Deformable
Service Temperature Range	(-40°C) - (+80°C)
Reaction to Fire	A2
Dangerous Substances	See SDS

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THIS TECHNICAL DATA SHEET SUPERSEDES ALL PREVIOUS EDITIONS RELEVANT TO THIS PRODUCT

2/2

DISCLAIMER: The above technical data, information, recommendations and guidance are based on scientific and technical knowledge, laboratory studies and long experience. However, the above information is considered to be as indicative and should be reviewed in any case in relation to each specific application conditions. Consequently, the suitability of each product in any application must be evaluated after referring to the updated Technical Data Sheet and to the website www.matis-eu.com, as well as after contacting the technical support department, in case of necessity. Our company guarantees the quality of the product itself, whilst in any case the user/applicant is exclusively responsible for any undesirable failures after using the product.