

MIXTILE MTA

Polymer modified cementitious tile adhesive

Mixtile MTA is cement based polymer modified water resistant high performance tile adhesive for the thin or thick bed fixing of almost all types of tiles, such as ceramic / vitrified wall and floor tiles, terrazzo, quarry, marbles and sand stones

Appropriation

Ceramic / vitrified
Terrazzo
Quarry
Marbles
Sand stones
Wall & Floor tiles

Characteristics

Thin or thick bed fixing
Excellent adhesion to many substrates
Waterproof – permanent immersion does not effect adhesion
Can be used for external and internal purposes
Excellent bonding even in damp conditions
Excellent resistance to water and humidity
Slump resistance
Easy and economical to use

Technical Data and Properties

Pot life: 3hours@25°C
Aspect: Grey / White Powder
Density: 1.8gm / cc
Flash point: Not applicable
Std. conforms to: BS 5980-1980, (DIN EN 12004-2001)
ANSI A. 118.4 – when mixed with Mixtile Latextra
Adhesion to concrete: 1.35N/mm² (BS 5980; 14 days)
Shear adhesion: 12.5N/mm² (BS 5980; 14 days)

Product Management

Surface preparation: All surface to receive Mixtile MTA must be sound and thoroughly cleaned to remove traces of grease or oil with a chemical degreaser. Loose mortar, old wall paper, paint etc must be physically removed. Make sure that existing finish is firmly adhering to the base, loose or hollow sounding areas must be removed and make sound by using cement mortar over bonding slurry (1:1 cement and Mixbond SBR). Clean the tile rear side to remove any dust or contaminants

Surfaces: Mixtile MTA can be used directly over the concrete, cement screed and cement or lime mortar. To use on gypsum or gypsum board substrate, MIXBOND SBR Super should be applied to the surface prior to application of Mixtile MTA. Before starting tiling work over the new concrete, cement screed or mortar make sure that the substrate is exposed to dry for minimum 28 days

Mixing instructions: Mix in a ratio of approx. 5 to 6 liters of water per 25kgs bag and 4 to 5ltr for 20kg bag of Mixtile MTA. Pour clean water in a clean container then add the powder and mix to a uniform lump-free consistency. Leave for approximately 5 minutes to allow the resins to completely dissolve. Moisten the support if necessary, but never the tiles. Mixing should be by a force action mixer. Hand mixing is recommended for small quantities only. Do not add water further to adjust the consistency

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Point to be noted: The open curing time of tile adhesive at 25°C is approximately 10 to 15 minutes. Therefore care should be taken in preparing the mortar. Prepare only the surface, which can be tiled within this time. Mixtile MTA adhesive should not be used on painted or metal surface

Method of Application: Apply Mixtile MTA adhesive to a uniform thickness of 3mm to 6mm on the support to cover the slots on the back of the tiles, of an area of not more than 1m² at a time

For horizontal applications a solid bed fixing is recommended as well as for heavy-duty vertical applications including decorative stone cladding
For other vertical applications, use a toothed spatula to comb horizontally to remove excess. The trowel should have 6mm notches at 25mm intervals center to center
Apply the tiles, press it, and smooth out carefully so that the mortar is spread evenly. If the bonding is perfect, the tile will not slide. Tiles can be adjusted within 10-15 minutes after fixing
Ensure that the piece of tile is completely bedded in the adhesive with 100% coverage
Clean the surplus adhesive from the tile and joints with wet cloth

Grouting

The joints can be filled with Mixgrout MG after 24 hours of tile fixing. Mixgrout MG is available in gray, white or matching colors on request

Expansion / control joints

Existing joints in concrete must be carried through tile work as per architectural details and sealed with appropriate joint sealants as per design

Strictly refer structural / architectural details for the interior and exterior movement joints and keep spaced accordingly. Recommended spacing for interior installations is 10m x 10m and for exterior 5m x 5m

Coverage

Solid bed fixing: 3mm-6mm depth @ 5.5-11kg/m²
Notch trowel: smooth surface @2kg/m²

Packing and Storage

Shelf life: Mixtile MTA adhesive can be kept for 12 months in unopened packs, Store in dry conditions and protect against wind and rain

Packing

Grey	White
25kg bag	20kg bags

Health and Safety

Mixtile MTA contains no hazardous substances; however it should not be allowed to come into contact with skin and eyes. Wear suitable protective gloves and goggles whilst handling. When in contact with the skin and eyes, wash thoroughly and immediately with warm water. If swallowed seek medical attention. For more details, please refer to the MSDS released on each Fab product

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Technical information given in this data sheet is true and exact to the best of our knowledge, laboratory upshot and hands-on application. The data sheets of all products are revised/updated regularly and hence ensure that the latest release is used for reference and recommendation. The date of publishing is as in this sheet. All data are mean of numerous tests, assessment and analysis conducted under laboratory ambience, climatic disparity in temperature, humidity, etc... and porosity of substrate may impinge on the values.

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