

# MIXTILE MTA30

Cementitious high strength adhesive for fixing of ceramics, glass mosaics and stone claddings in submerges and high risk conditions

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Mixtile MTA30 is cement based water resistant tile adhesive for the thin or thick bed fixing of almost all types of tiles, such as ceramic wall and floor tiles, terrazzo, quarry, marbles and sand stones, especially those exposed to permanently wet conditions. Mixtile MTA30 suitable for fixing materials such as marble, stone cladding and brick slips. The weight of which should not exceed 40kg/m<sup>2</sup> unless mechanical fixing is also used.

Suitable substrates are concrete, sand cement screeds and renders, glazed and unglazed tiles, terrazzo and suitably prepared timber.

## Appropriation

- Ceramic Tiles
- Floor tiles
- Terrazzo
- Quarry
- Marbles
- Sand stones
- Glass mosaics
- Stone cladding
- Suitably prepared timber

## Characteristics

- High adhesive bond strength
- Thin or thick bed fixing
- Excellent adhesion to many substrates
- Waterproof – permanent immersion does not affect adhesion
- Mixtile MTA30 used in conjunction with suitable for use where chemical resistance or a high standard of hygienic quality is essential. For extreme conditions such as vibration or temperature extremes etc.
- Can be mixed with Mixtile Latex instead of water.

## Technical Data and Properties

- Properties
- 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
- Good pot life
- Aspect: Powder
- Color: Grey
- Density: 1.8gm / c.c. app
- Flash point: Not applicable
- Std. conforms to: BS 5980 BSEN12004 -2001, ANSI A. 118.1  
ANSI A. 118.4 – when mixed with Mixtile latex
- Tensile strength (BS 6319): Part 7: 1985: 2.85N/mm<sup>2</sup>
- Flexural strength (BS 6319: Part 3: 1990) : 4.5N/mm<sup>2</sup>
- Adhesion strength (ASTM) D4541:2001: 2.70N/mm<sup>2</sup>

## Product Management

- Coverage
- Solid bed fixing: 3mm-6mm depth
- 5.4-11kg/m<sup>2</sup>
- Notch trowel: smooth surface 2kg/m<sup>2</sup>

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## Instructions for use

Mixtile MTA30 adhesive in a ratio of 6 to 7 liters of water per 25kgs bag. 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.

**Point to be noted:** The open curing time of tile adhesive at 30°C is approximately 30 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 MTA30 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 1m<sup>2</sup> at a time.

For horizontal applications a solid bed fixing is recommended as well as for heavy-duty vertical applications.

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.

Timber surface: Surface should be checked to ensure rigidity and soundness to accept the additional loading without deflection.

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. The joints can be filled with Mixgrout (available in grey, white or matching colors on request)

Note: for fixing on concrete / screed / renders, the porous concrete or mortars should be primed with Mixbond SBR to reduce suction

## Consumption

Approximately 2kg/m<sup>2</sup> depending on the support. Clean the tools with water after use. Store in dry conditions and protect against wind and rain

## Packing and Storage

Shelf life

Mixtile MTA30 adhesive can be kept for 12 months in unopened packs.

Packing

25kg bag (Grey)

20kg bag (white)

## Health and Safety

Mixtile MTA30 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 datasheet is true and exact to the best of our knowledge, laboratory upshot and hands-on application. The datasheets of all products are revised/updated regularly and hence ensure that the latest release is used for reference and recommendation. The date of the 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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