

MIXTILE MTA HS

Water-Proof Cementitious high strength tile adhesive



the construction chemist...

Introduction

Mixtile MTA HS is cement based water-Proof 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

Appropriation

Ceramic Tiles
Floor tiles
Terrazzo
Quarry
Marbles
Sand stones

Characteristics

Thin or thick bed fixing
Excellent adhesion to even on non-pours substrates
Waterproof – permanent immersion does not affect adhesion
Can be used for external and internal purposes
Can Be used for tile on tile applications.
Excellent bonding even in damp conditions
Excellent resistance to water and humidity
Slump resistance
Easy and economical to use
Good pot life

Technical Data and Properties

Aspect	Powder
Color	Grey
Density	1.7gm / c.c. app
Flash point	Not applicable
Std. conforms to	BS 5980
Tensile strength	(BS 6319): Part 7: 1985: 2.85N/mm ²
Flexural strength	(BS 6319: Part 3: 1990): 4.5N/mm ²
Adhesion strength	ASTM D4541:2001: >2.5N/mm ²

Product Management

Coverage

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

Instructions for use

Mixtile MTA adhesive in a ratio of 6 to 7 liters of water per 25kgs bag and 4.5 to 5.5 for 20kgs 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 MTAHS 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.

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



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Consumption

Approximately 2kg/m² 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 MTAHS adhesive can be kept for 12 months in unopened packs.

Packing

Health and Safety

Mixtile MTAHS 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 PyChem product



Technical information given in this data sheet is true and exact to the best of our knowledge, laboratory upshot and hand-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 and porosity of substrate may impinge on values