

Nitotile MPA

Multipurpose tile adhesive

Uses

Nitotile MPA Grey/White is high performance, polymer modified adhesive and it is suitable for Tile on Tile, glass mosaic tiles and stone tiles subjected to damp and tropical conditions. It is suitable for fixing wall and floor tile/stone in interior and exterior situations upto 6mm bed thickness (can be extended up to 12 m in area of limited extent).

Areas of Application:

- Walls & Floors
- Interiors & Exteriors
- Wet areas
- Showers
- Swimming Pools
- Dry areas

Suitable Substrates:

- Brick Work / Concrete
- Cement Sand Screed
- Cement Sand Rendering
- Unglazed Tiles
- Hard Natural Stone
- Glazed Tiles and tile on tile

Advantages

- Excellent Grasp: Suitable for tile format both S1 and S2
- Easy mixing, smooth application & spread
- Better workability
- Excellent slip resistance
- High bond strength

Industry standard compliance

IS : 15477-2019 TYPE 4

Properties

Mixed Density	1.50 – 1.90 gm/cc
Bed Thickness	upto 6mm (can be extended up to 12mm in area of limited extent)
Pot Life	>120 Mins
Open Time:	25 min to 30 min
W/P ratio	0.26 to 0.30
Tensile Adhesion Strength: (Dry condition) (Wet Condition)	>1.5 N/mm ² >1.0 N/mm ²
Shear Adhesion Strength (Dry condition) (Wet condition)	>1.5 N/mm ² >1.0 N/mm ²

Note: The typical physical properties given above are derived from testing in a controlled laboratory environment . Results derived from testing field-applied samples may vary, dependent on actual site conditions.

Technical support

Fosroc offers a comprehensive technical support service to specifiers, end users and contractors. It is also able to offer on-site technical assistance, an AutoCAD facility and dedicated specification assistance in locations all over the world.

Instructions for use

Surface preparation

New Concrete Substrate:

Ensure the surfaces are prewetted and remove the excess water.

Existing Concrete/Screed Substrates:

Remove all loose or hollow portions and make good with a polymer modified mortars from Renderoc Range.

Tile Substrates:

Check that existing finish is firmly adhering to the base. Remove any loose or hollow sounding tiles and reprofile with polymer modified mortars from Renderoc Range.

Mixing

Nitotile MPA should be mixed with clear potable water in the ratio 0.26 to 0.30. A slow speed drill fitted with a mixing paddle is recommended for mixing. Add powder to water and mix until a uniform, lump-free consistency is achieved. The total quantity of water may be slightly adjusted to achieve the required consistency.

Pack Size (Kg)	Water required (Liters)
20	5.2 to 6
40	10.4 to 12

Application

- Make sure that required amount of adhesive shall be mixed & used within the specified pot life. Spread not more than the area which can be tiled within the open time of the adhesive.
- Using a notch trowel, uniformly comb the tile adhesive to required thickness.
- Firmly fix the tiles into position with a slight twisting action, ensuring good contact without leaving any voids behind tiles.

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■ Tiles should be fixed within specified open time of adhesive, depending on the porosity of the substrate and atmospheric conditions. Adhesive ribs can be checked periodically and if a skin has formed, remove the adhesive and apply a new layer.

■ Spacers & corner beads of required dimensions shall be used to maintain adequate joints between individual tiles on horizontal or vertical areas.

■ Remove any excess adhesive from the tiles and joints with a damp sponge or cloth before it sets. Leave for at least one day before application of tile grouts. It is recommended to use Nitotile cementitious/epoxy tile grouts.

Cleaning

Nitotile MPA should be removed from tools, equipment and mixers with clean water immediately after use. Cured material can only be removed mechanically.

Estimating

Supply

Nitotile MPA : 20 & 40 Kgs

Coverage

Nitotile MPA : Approx. 3.40 to 3.60 kg/sq.meter
@ 3mm thickness using 6mm x 6mm
square notch trowel.

Note : Actual yield will vary according to water addition. Coverage may depend upon the nature and flatness of the substrate and the method of application.

Storage

Shelf life

Nitotile MPA has a shelf life of 12 months if kept in a dry store in the original, unopened bags..

Storage conditions

Store in dry conditions in the original, unopened bags or packs. If stored at high temperature and / or high humidity conditions the shelf life may be reduced.

Precautions

Health & Safety instructions

Nitotile MPA is non-flammable.

Additional information

FOSguard is registered brand owned by FOSROC for building care products. With our commitment to our valued customers for providing a complete solutions for the buildings, we have host of products including waterproofing, repairs, grouts, anchors, protective coatings, sealants, mould release agents and curing compounds

“YOU BUILD. WE PROTECT” is our commitment from the brand of FOSguard.

For further information please contact our local Fosroc office.



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