

# Nitotile MPA

## Multipurpose tile adhesive for exterior, tile-on-tile, tile-on-glass and specialised applications

### Uses

Nitotile MPA tile adhesive is a high quality adhesive used for the permanent fixing of tiles over smooth surfaces such as existing tiles, ceramic tiles or glass, subjected to damp and tropical conditions and for specialised applications such as tile on tile and tile-on-glass etc.

### Advantages

- **Polymer modified** - prewetting of tiles not required and hence less prone to cracking of mortar
- **Single component** - ease of application
- **Non toxic** - User friendly application
- **Excellent adhesion on smooth surfaces** - Develops high adhesive bond strength
- **Non shrink** - excellent bond with the substrate
- **Excellent work and open wet time of 2 hrs at 30°C** - allows the mason to fix tiles at ease even under hot conditions
- **Self cure** - does not require external curing
- **Forms a dense and impermeable mortar bed** - waterproof

### Standard compliance

Nitotile MPA meets / exceeds the requirements for tensile adhesive strength of BS 5980-1980, Class AA, A & B.

### Description

Nitotile MPA is a single component, polymer modified cement based grey coloured powder.

### Technical support

The company provides a technical advisory service supported by a team of specialists in the field.

### Properties

<b>Density of the mixed material</b>	: 1.95g/cc	
<b>Pot life</b>	: Approx. 2 hrs	
<b>Setting time</b>	: Initial - 13 hrs Final - 2 days	
<b>Pull out bond strength on tile at 28 days</b>	: > 1 N/mm <sup>2</sup>	
<b>Compressive strength ( N/mm<sup>2</sup>)</b>	: 3 days	10.4
	: 7 days	16.0
	: 28 days	21.6
<b>W/P ratio</b>	: 0.25	

### Application instructions

#### Surface preparation

All surfaces must be sound and thoroughly cleaned before Nitotile MPA is applied. All traces of grease or oil must be removed with suitable degreaser. All loose particles of mortar, old wallpaper, paint etc., must be physically removed. In case of cementitious surfaces, the areas of application must be thoroughly wetted with water to obtain saturated surface dry condition.

In case of smooth surfaces, prewetting of substrate with water is not essential.

#### Mixing

Nitotile MPA should be mixed with water in the ratio of 3 : 1 by volume or 4:1 by weight. While mixing, add powder to the water to avoid lump formation. A slow speed drill fitted with a suitable mixing paddle is recommended for mixing. Hand mixing may also be resorted to if small quantities are mixed. (Note : Use of chilled water in extreme temperatures will increase open time of Nitotile MPA).

#### Application

Nitotile MPA, is spread on the substrate to a uniform thickness of 2 - 3mm. This is then combed horizontally with a notched trowel. The tiles are then placed firmly into the adhesive bed ensuring good contact with the mortar by a twisting motion.

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## Finishing

The excess material shall be removed with a damp cloth before it sets.

Joint grouting with Nitotile Grout may be commenced 24 hours after tiles have been fixed.

## Estimating

### Packaging

Nitotile MPA is supplied in 25 kg bags.

### Coverage

Approximately 3.8 kg of Nitotile MPA is required per sq.m when uniformly applied at 2mm thickness. Material consumption will increase if the substrate is not even.

### Storage

#### Shelf life

12 months in unopened bags under normal warehouse conditions.

Nitotile MPA must be stored in a cool dry place.

## Precautions

### Health & Safety instructions

Nitotile MPA is cement based and hence alkaline in nature. Care should be taken to avoid inhalation of dust and contact with skin and eyes during use.

### Additional information

The Fosroc range of associated products include high strength cementitious and epoxy grout, polyester resin based mortar for rapid presetting of steel shims to level or for direct bedding of small base plates. Also available a range of products for use in construction; viz., admixtures, curing compounds, release agents, flooring systems, repair mortars, sealants and waterproofing compounds.

Separate datasheets are available on these products.



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### Important note :

Fosroc products are guaranteed against defective materials and manufacture and are sold subject to its standard terms and conditions of sale, copies of which may be obtained on request. Whilst Fosroc endeavours to ensure that any advice, recommendation specification or information it may give is accurate and correct, it cannot, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products whether or not in accordance with any advice, specification, recommendation or information given by it.

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