Nitotile GTA

constructive solutions

Granite and Marble Tiles Adhesive

Uses

Nitotile GTA is a single part high quality polymer based adhesive for the permanent fixing of granite granite,marble & stone tiles

Advantages

- Prepacked product requiring only direct mixing water at site.
- High adhesive bond strength - Ideal for vertical and horizontal applications of granite, marble, etc.
- Excellent grab during open time
- Smooth easy to mix and spread
- Can be used in the interior and exterior of buildings

Standard Compliance:

IS 15477-2019 TYPE 3

Properties

Mixed Density	1.50 to 1.90 gm/cc
W/P ratio	0.26 to 0.30
Bed Thickness	Upto 6mm (can be extended up to 12 mm thickness in area of limited extent)
Pot Life	>120 Mins
Open Time	>20 Mins
Tensile Adhesion Strength Dry Condition Wet Condition	 1.5 MPa 1.0 MPa
Shear Adhesion Strength: Dry Condition Wet Condition Heat Aging Condition	 1.5 MPa 1.0 MPa 1.0 MPa
Adjustability	>15 mins
Slip	< 0.5mm in vertical application

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.

GreenPro Ecolabel Certified by CII

Application instructions

Surface preparation

All surfaces must be sound and thoroughly cleaned before Nitotile GTA is applied. All traces of grease and oil must be removed. All loose particles of mortar, wallpaper, paint etc., must be physically removed. The prepared surface must be wetted with water, prior to application of Nitotile GTA and must attain a saturated surface dry condition.

Nitotile GTA can be applied directly on concrete, cement screeds, cement or lime mortars, provided they are strong. Make sure the substrate is flat and in sound conditions to achieve uniform thickness & coverage.

Saturate the surface thoroughly and remove excess water before the application of Nitotile GTA

For porous substrates, it is recommended to use suitable primer.

Mixing

Nitotile GTA should be mixed with clear potable water in the water powder ratio of 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 (Litres)
20	5.6 to 6
40	11.2 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.

2. Using a notch trowel, uniformly comb the tile adhesive to required thickness.

3. Firmly fix the tiles into position with a slight twisting action, ensuring good contact without leaving any voids behind tiles.

4. 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.

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

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6. 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.

Limitations

Nitotile GTA is not recommended for overhead applications. On vertical applications, heavy slabs need proper support till appropriate grab is achieved

Note : Nitotile GTA should not be applied on Gypsum board substrates. Any height more than 3 mt needs clamping.

Estimating

Supply

Nitotile GTA	: 20 & 40 Kgs

Coverage

Nitotile GTA	: Approx.1.25 to 1.35 kg /mm/sq.m.

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 - 12 months in unopened bags under normal warehouse conditions.

Precautions

Health and safety

Nitotile GTA contains cement powders which, when mixed with water or upon becoming damp, release alkalis which can be harmful to the skin. Hence,use hand gloves of type Butyl Rubber and vinyl.

During use, avoid inhalation of the dust and contact with the skin or eyes. Wear suitable protective clothing - eye protection, gloves and respiratory equipment, particulate filter, type P2 (particularly in confined spaces).

The use of barrier creams to provide additional skin protection is also advised. In case of contact with the skin, rinse with plenty of clean water, then cleanse thoroughly with soap and water.

In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice. If swallowed seek medical attention immediately - do not induce vomiting.

Additional information

Fosroc manufactures a wide range of products specifically designed for repair and refurbishment of damaged reinforced concrete. This includes hand-placed and spray grade repair mortars, fluid micro concretes, chemical resistant epoxy mortars and a comprehensive package of protective coatings. In addition, a wide range of complementary products is available. This includes joint sealants, water proofing membranes, grouting, anchoring and specialised flooring materials.

For further information please contact our local Fosroc office.

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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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Additional information

In addition to granite/marble tile adhesives, Fosroc manufac-