

## Polymer modified tile adhesive

### Uses

Nitotile GPX is designed especially for interior floor and wall installations of all types of ceramic tile, semi-vitreous tile, pre-cast terrazzo and small format natural stones over concrete and on cement plastered surfaces. Typical uses include :

- Wet areas - kitchens and bathrooms
- Fixing of ceramic and vitrified tiles for floor and walls internal application.

### Advantages

- Tropical grade to suit Indian working conditions
- Good open wet time
- Good slip resistance
- High adhesion strength
- Water proof
- Good slip resistance

### Standards compliance

Nitotile GPX confirms to IS 15477 Type I & II standards

### Description

Nitotile GPX cementitious powder is available in grey colour.

### 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

All surfaces must be sound and thoroughly clean before Nitotile GPX is applied. All traces of grease or oil must be removed with a chemical degreaser. All loose particles of mortar, old wallpaper, paint etc. must be physically removed.

#### Surfaces

Nitotile GPX can be applied directly on concrete, cement screeds, and cement or lime mortar. Special attention must be given to new construction prior to commencing tiling. Tiles should not be placed on concrete or brickwork until all shrinkage movement has taken place.

To use Nitotile GPX on gypsum or gypsum board substrates, diluted Nitobond AR (1 : 3 with water) should be applied to the surface of the gypsum or gypsum board prior to application of Nitotile GPX.

### Mixing

Nitotile GPX should be mixed with clear potable water in the ratio 4:1 by weight (4 part powder : 1 part water). 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.

### Application

Nitotile GPX should be spread on the substrate to a uniform thickness of 2-3mm, and then combed horizontally with a serrated trowel.

Place tiles firmly into adhesive bed, ensuring good contact with a twisting motion. Only apply to areas which can be tiled in the adhesive's open wet time (up to 1m<sup>2</sup> at a time).

### Joints

It is recommended that when fixing ceramic tiles, a minimum spacing of 2mm be left around each tile.

### Finishing

Remove excess adhesive with a damp cloth before material has set. Joint grouting with Nitotile Grout\*\* may be commenced 24 hours after tiles have been laid.

### Cleaning

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

### Limitations

Nitotile GPX should not be used when the temperature is below 5°C and falling. The product should not be exposed to moving water during application. If any doubt arise concerning temperature or substrate conditions, consult your local Fosroc office.

# Nitotile GPX

## Test Results :

| Sl.No | Test Conducted              | Typical values | Test Requirement as per<br>IS :15477-2004<br>Type 1, Min. |
|-------|-----------------------------|----------------|-----------------------------------------------------------|
| 1.    | Tensile Adhesion(N)         |                |                                                           |
|       | a) Dry Condition            | 1046           | 750 N                                                     |
|       | b) Wet Condition            | 874            | 450 N                                                     |
| 2.    | Shear Adhesion (kN)         |                |                                                           |
|       | a) Dry Condition at 24 hr.  | 4.42           | 2.50 kN                                                   |
|       | b) Dry Condition at 14 days | 11.23          | 8.00 kN                                                   |
|       | c) Wet Condition            | 5.60           | 4.00 kN                                                   |
|       | d) Heat Ageing              | 5.22           | 4.00 kN                                                   |
| 3.    | Open Time (Minutes)         | 35             |                                                           |
| 4.    | Pot Life (Minutes)          | 45             |                                                           |
| 5.    | Setting time                | 24 hrs         |                                                           |

## Estimating

### Supply

|              |   |                  |
|--------------|---|------------------|
| Nitotile GPX | : | 30 and 5 kg bags |
|--------------|---|------------------|

### Coverage

|              |   |                                     |
|--------------|---|-------------------------------------|
| Nitotile GPX | : | Approx. 3.8 kg/m <sup>2</sup> @ 2mm |
|--------------|---|-------------------------------------|

Note : Actual yield will vary according to water addition

## Storage

### Shelf life

Nitotile GPX 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 and safety

Nitotile GPX contains cement powders which, when mixed with water or upon becoming damp, release alkalis which can be harmful to the skin.

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

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.

## Fire

Nitotile GPX is non-flammable

## Additional information

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

For technical assistance, please contact your 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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