

Nitotile GP

General purpose tile adhesive

Uses

Nitotile GP is a general purpose grey colour tile adhesive and it is mainly suitable for most of the clay, ceramic tiles, Non-Vitrified tiles having porosity > 3%. It is suitable for fixing tiles upto 6 mm bed thickness and can be extended up to 12 mm thickness in area of limited extent.

Note:

1. It is not suitable for application on to gypsum plaster, paint or metal and for large format tile applications.
2. When used on AAC blocks, it is recommended to have cementitious rendering prior to application of adhesive or higher version of tile adhesives i.e Nitotile MPA shall be used.

Advantages

- Excellent Grasp
- Smooth, easy to mix and spread
- Suitable for fixing tiles on Walls & Floors (Interior dry area applications only)

Standards compliance

IS : 15477-2019 TYPE 1

Properties

W/P ratio	0.25 to 0.28
Mixed Density	Approx. 1.50-1.90 gm/cc
Bed Thickness	Upto 6mm
Pot life	> 60 Mins
Open time	> 10 Mins
Tensile Adhesion Strength (Dry condition)	>0.5 N/mm ²
Shear Adhesion Strength (Dry condition)	>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

All surfaces must be sound and thoroughly clean before Nitotile GP 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.

Make sure the substrate is flat and in sound conditions to achieve uniform thickness & coverage. If level variation on floor or wall is more than an average 12 mm (Excluding intentional), surface preparation as required to bring the surface true to plumb level shall be taken up with appropriate material

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

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

Surfaces

Nitotile GP can be applied directly on concrete, cement screeds, and cement plaster. 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

Mixing

Nitotile GP should be mixed with clear potable water in the ratio 0.25 to 0.28. 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 to 5.6
40	10 to 11.20

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.
- 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.

Nitotile GP

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

Limitations

Nitotile GP should not be used when the temperature is below 5°C. 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.

Estimating

Supply

Nitotile GP	: 20 Kg & 40 kg
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Coverage

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

Fire

Nitotile GP is non-flammable

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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