



constructive solutions

Nitotile XS

Polymer-modified, one component, high performance, waterproof tile adhesive

Uses

Nitotile XS is a high quality adhesive for the permanent fixing of tiles. Typical uses include:

- Wet areas - kitchens and bathrooms
- Swimming pools
- Fixing marble tiles (upto 40kg/m² on vertical)
- Fixing heavy elements e.g. brick slips, concrete tiles
- Bridges, underpasses and high rise buildings
- External claddings

Advantages

- Formulated to suit Middle East conditions
- Enhanced bond and tensile strengths
- Good open time & slip resistance
- Safe and easy to use
- Water resistant - suitable for submerged conditions
- Early return to service

Standards compliance

Nitotile XS conforms to EN 12004, BS 5980 and ANSI 118.4. The application should be in accordance to BS 5385.

Description

Nitotile XS is supplied as a single component pack, which requires only the on-site addition of clean water to produce a consistently high performance adhesive, suitable for the following substrates:

- Concrete
- Ceramic Tile & Stone
- Cement Plaster
- Brick Masonry
- Concrete Masonry
- Cement Terrazzo
- Cement mortar beds
- Ceramic backer board

Properties

Density	:	1.7 kg/m ³
Tensile adhesion strength (EN 1348 - stoneware tiles)		
28d sc	:	>1.5 N/mm ²
7d sc+21d water	:	>1.0 N/mm ²
14d sc+14d 70°C+1d sc	:	>2.0 N/mm ²
Open time by tensile adhesion strength (EN 1346-earthenware tiles)		
5min	:	>1.5 N/mm ²
20min	:	>1.0N/mm ²
30 mins	:	>0.7 N/mm ²
Transverse Deformation (EN12002) 14 d 23°C/95%RH+14 d sc		
Deflection at max. force	:	>3.0 mm
Stress at max. force	:	>2.5 N/mm ²
Deflection at break	:	>3.0 mm
Stress at break	:	>2.3 N/mm ²

	Glazed Tiles	Impervious Tiles	Quarry Tiles
Shear adhesion (ANSI 118.4) (N/mm²)			
48h sc	: >0.7	-	-
7d sc	: >2.09	>1.6	>1.2
7d sc + 7d water	: >1.4	>1.05	-
4 weeks sc	: >2.4	>1.5	>1.35
12weeks sc	: >2.5	>1.7	>1.3

Instructions for use

Surface preparation

All surfaces must be sound and thoroughly clean before Nitotile XS is applied. All traces of grease, oil and loose particles of mortar, old wallpaper, paint etc. must be physically removed.

Surfaces

Nitotile XS 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 blockwork until all shrinkage movement has taken place.

Note: Nitotile XS should only be used on gypsum or gypsum board substrates after priming with Cebond or Nitobond PVA.

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Mixing

A slow speed drill fitted with a suitable mixing paddle and mixing vessel of minimum 30 liter capacity is recommended.

Measure out 5litres of clean water into the mixing vessel. With the Fosroc Mixing Paddle MR4 in operation, add the powder component to the mix and continue mixing for 2 to 3 minutes until a uniform, lump-free consistency is achieved.

Application

Once mixed, Nitotile XS is typically spread on the substrate to a uniform thickness of 2-8mm. This is then combed horizontally.

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 1m² 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.

Cleaning

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

Grouting

Grout installation should be after a minimum of 24 hours curing time at 25°C. Grout with Nitotile XS Grout or Nitotile Grout, depending on the floor application.

Precautions

Health and safety

Nitotile XS 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 spaces).

Please refer to your local Fosroc office for material safety data sheets.

Fire

Nitotile XS is non-flammable.



Fosroc Jordan

P.O.Box 253,
King Abdullah II Industrial State
Sahab 11512, Jordan

www.fosroc.com

Important note:

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Regional Offices:

Amman-Khalda Offices: Tel: (06) 535 9562
Amman-Sahab Factory: Tel: (06) 402 2665
Aqaba Showroom: Tel: (03) 205 0061

email: enquiryjordan@fosroc.com

Fax: (06) 535 9563
Fax: (06) 402 9475
Fax: (03) 205 0062