



Fosroc Nitotile C1 Fix

High performance slip resistant Latex/Polymer-modified single component cementitious tile adhesive

Uses

Nitotile C1 Fix is a high quality adhesive for the permanent fixing of ceramic wall and floor tiles including porcelain and fully vitrified tiles, ceramic, cement terrazzo and brick slips.

Typical uses include :

- For indoor and outdoor use
- For wall and floors

Advantages

- Formulated to suit Middle East conditions
- Good bond and tensile strengths
- Good open time & slip resistance
- Safe and easy to use

Standards compliance

Nitotile C1 Fix conforms to C1TE EN 12004

Description

Nitotile C1 Fix 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
- Cement Plaster
- Brick Masonry
- Concrete Masonry
- Cement mortar beds

Properties

Consistency : Powder

Colour : Grey

Solid Contents : 100%

Tensile adhesion strength

(EN 1348 - stoneware tiles)

Complies with the requirement of C1 type CTA

28d sc : >1.2 N/mm²

7d sc+21d water : >1.1 N/mm²

14d sc+14d 70°C+1d sc: >0.8 N/mm²

Open time by tensile adhesion

strength (EN 1346-earthenware tiles)

5min : >1.2 N/mm²

20min : >0.8N/mm²

30 mins : >0.5 N/mm²

Slip Resistance : <0.5mm

(EN 1308) (EN 12004)

Complies to Standard C1TE

Open time

(EN 1346) : >30min

Application temperature : +5 to +40°C

Resistance to alkalis : Excellent

Resistance to solvents : Excellent

Temperature resistance

after final cure : From -30 to +90°C

Instructions for use

Surface preparation

All surfaces must be sound and thoroughly clean before Nitotile C1 Fix is applied. All traces of grease, oil and loose particles of mortar, old wallpaper, paint etc. must be physically removed.

Surfaces

Nitotile C1 Fix 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 C1 Fix should only be used on gypsum or gypsum board substrates after priming with Cebond** or Nitobond PVA**.

Fosroc Nitotile C1 Fix

Mixing

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

6 litres of clean water is required for 25kg bags of Nitotile C1 Fix

Pour the recommended volume 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 3 minutes until a uniform and lump-free consistency is achieved.

Application

Once mixed, Nitotile C1 Fix is typically spread on the substrate to a uniform thickness of 2-10mm. 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 (normally 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 C1 Fix 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.

Limitations

- Nitotile C1 Fix 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.

Estimating

Supply

Nitotile C1 Fix	:	25kg bags
-----------------	---	-----------

Yield

Nitotile C1 Fix	:	17.9 litres/25kg pack
-----------------	---	-----------------------

Storage

When stored in a dry conditions in the original, unopened bags, Nitotile C1 Fix will have a shelf life of 12 months. If stored at high temperature and / or high humidity conditions the shelf life will be reduced.

* Denotes the trademark of Fosroc International Limited

† See separate data sheet



Fosroc Chemtech
Construction Chemicals

Important note

Fosroc products are guaranteed against defective materials and manufacture and are sold subject to its standard Conditions for the Supply of Goods and Service. All Fosroc datasheets are updated on a regular basis. It is the user's responsibility to obtain the latest version.

Head Office

6th of October City, 3rd Industrial Zone, Arab Republic of Egypt.
Tel: (02) 38242045 / (02) 38242046
Fax: (02) 38242098
E-mail: Egypt@Fosroc.com

Alex. Branch

156 Port-Said St. Al-Ibrahimeya, Kesm Bab
Shark-No.5, 1st floor.
Tel: (03) 5925264