

Fosroc Nitotile Epoxy Grout



constructive solutions

Epoxy resin chemical resistant tile grout

Uses

To provide a hard wearing, easily cleaned, attractive tile grout where high resistance to chemical attack is required.

Advantages

- Excellent resistance to chemicals
- Solvent free and low odour formulation - can be used in confined areas
- Attractive appearance, easily cleaned
- Available in a range of attractive colours
- Resists bacterial growth
- Hygienic - good to use in Laboratories, Hospitals and Health centers
- Good to use in wet area, fountains, swimming pool, kitchen, bathroom and Sauna

Description

Nitotile Epoxy Grout consists of a blend of specially selected resins, curing agents, graded inert acid resistant fillers and a unique colour pack system.

Properties

Typical Properties of mixed material.

	23°C	35°C
Pot life	: 50 mins	25 mins
Initial Cure	: 24 hrs	18 hrs
Full Cure	: 7 days	4 days

Chemical resistance

Nitotile Epoxy Grout is resistant to a comprehensive range of chemicals commonly encountered in industrial applications, few of them are listed below:

Acids

Hydrochloric acid 50%	: Excellent
Nitric acid 25%	: Excellent
Sulphuric acid 50%	: Excellent
Phosphoric acid 50%	: Excellent
Acetic acid 10%	: Excellent
Lactic acid 10%	: Excellent
Citric acid	: Excellent

Alkali

Sodium Hydroxide 50%	: Excellent
Ammonia (880) 10%	: Excellent

Solvents

Petrol, Oil, Kerosene	: Excellent
Butanol	: Very Good
Skydrol	: Good

Other Solutions

Bleach (Conc)	: Excellent
Saturated Sugar	: Excellent
Urea	: Excellent

Nitotile Epoxy Grout has been formulated specifically to provide the highest chemical resistance. However at elevated temperatures or where a mixture of chemicals is involved the effects may differ from those found in laboratory tests as described above. For further information, please contact the local Fosroc office.

Instructions for use

Preparation

Joints to be grouted should be clean and free from any dust or debris. Porous tile edges should be primed with Nitoprime 25 or Nitoprime 31.

Mixing

The base and hardener components should be individually stirred to redisperse any settlement which may have occurred. Base, hardener and colour pack should then be mixed together in a suitable container until a uniform colour is obtained.

The filler component should then be added to the mixed liquid and blended using a slow speed drill and suitable mixing paddle until a uniform, homogeneous mixture is obtained.

Application

Apply Nitotile Epoxy Grout with a spatula to the spaces between the tiles working the mixture into the joints and around the edges.

Remove surplus material from the face of the tiles with a dry cloth, it may be necessary to use small quantities of Fosroc Solvent 102 to assist in the cleaning process.

Cleaning

Nitotile Epoxy Grout should be removed from tools, equipment and mixers with Fosroc Solvent 102 immediately after use. Cured material can only be removed mechanically.

Limitations

Nitotile Epoxy Grout 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 doubts arise concerning temperature or substrate conditions, consult your local Fosroc office.

Fosroc Nitotile Epoxy Grout

Estimating

Supply

Nitotile Epoxy Grout : 3 litre pack

Yield

Nitotile Epoxy Grout : 0.25 litres/m²

Storage

Shelf life

Nitotile Epoxy Grout has a shelf life of 12 months if kept in a dry store in the original, unopened bags or packs.

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 to 4 to 6 months.

Technical support

Fosroc offers a comprehensive range of high performance, high quality repair, maintenance and construction products. In addition, Fosroc offers a technical support package to specifiers, end-users and contractors, as well as on-site technical assistance in locations all over the world.

Precautions

Health and safety

Nitotile Epoxy Grout is epoxy resin based. Direct contact with eyes will cause irritation and may cause serious damage if left untreated. Any eye contamination should be washed immediately with clean water and immediate medical attention sought.

Gloves and barrier cream such as Kerodex 71 or Rozalex 9 should be used at all times when handling Nitotile Epoxy Grout. If contact with the skin occurs a resin removing cream such as Kerocleanse 22 or Rozalex 42 should be used followed by washing with soap and water.

Additional Information

Nitotile Epoxy Grout is part of a range of Fosroc tile adhesives and tile grouts.

Fosroc manufactures a wide range of complementary products which include:

- Waterproofing membranes & waterstops
- Joint sealants & filler boards
- Cementitious & epoxy grouts
- Specialised flooring materials

Fosroc additionally offers a comprehensive package of products specifically designed for the repair and refurbishment of damaged concrete. Fosroc's 'Systematic Approach' to concrete repair features the following:

- Hand-placed repair mortars
- Spray grade repair mortars
- Fluid micro-concretes
- Chemically resistant epoxy mortars
- Anti-carbonation/anti-chloride protective coatings
- Chemical and abrasion resistant coatings

For further information on any of the above, please consult your local Fosroc office - as below.

* Denotes the trademark of Fosroc International Limited

† See separate data sheet



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.**

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