

Nitotile Epoxy Grout*

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 industrial chemicals
- Solvent free - can be used in confined areas
- Attractive appearance, easily cleaned
- Available in a range of attractive colours
- Low odour formulation

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.

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.

Properties

Typical Properties of mixed material.

	@ 20°C	@ 30°C
Pot life	: 60 minutes	30 minutes
Initial Cure	: 24 hours	18 hours
Full Cure	: 7 days	4 days

Chemical resistance

Nitotile Epoxy Grout is resistant to a comprehensive range of chemicals commonly encountered in the 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 re-disperse 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.



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Cleaning

Nitotile Epoxy Grout should be removed from tools, equipment & 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.

Estimating

Supply

Nitotile Epoxy Grout : 3 litre pack

Yield

Nitotile Epoxy Grout : 0.25 litres/m²

Storage

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

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.



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.

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The Right Chemistry for Construction

Fosroc is one of the world's major manufacturers of advanced technology chemical based products for the construction and refurbishment industries. It operates internationally through a network of operating companies, licensees, distributors and agents.

Having over 70 years experience and using global resources for research and technical development, Fosroc has built a substantial worldwide reputation in manufacturing the most comprehensive range of high performance construction chemicals:

- Concrete admixtures
- Surface treatments
- Grouts and anchors
- Concrete repair
- Industrial flooring
- Protective coatings
- Joint sealants
- Waterproofing
- Adhesives
- F.R.P Structural Strengthening
- Specific building products

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