



Nitokit Surface Sealant

Epoxy resin sealant and resurfacing compound

Uses

- Sealing cracks externally.
- Fixing injection packers.
- Levelling concrete surface irregularities.
- Adhesive for bonding steel plates to concrete.
- Used in conjunction with Nitokit injection system.
- As a general multi-purpose epoxy paste adhesive.

Description

Nitokit Surface Sealant, a two part filled epoxy, is an accessory to the Nitokit epoxy resin, and Conbextra Injection System. Nitokit Surface Sealant is used to seal over the cracks in structural materials such as concrete. The seal prevents flow-out of resin when injected into the cracks. Nitokit Surface Sealant is also used to bond injection nipples to the surface of the cracks. It is also used in evening out substrates and filling blow-holes prior to applying floor and wall epoxy and urethane based coating and toppings.

Nitokit Surface Sealant consists of two parts thixotropic, solvent free, epoxy resin compound of grey colour.

Instruction for use

Surface preparation

Nitokit Surface Sealant has to retain the injection system under pressure. Care must be taken to provide a bond surface which is clean, dry and sound.

1. Remove heavy deposits of grease and dirt by scrubbing with Fosroc Chemical Degreaser and washed with plenty of clean water to ensure complete removal of oil and grease. Dirt alone may be removed with wire brushes or similar mechanical means. Both surface and cracks must be allowed to dry thoroughly.
2. Remove deteriorated concrete, laitance and paint. The best treatment is commercial shot blasting with sand, steel-shot or a proprietary abrasive. Where shot blasting is impracticable, use rotary wire brushes, sander or cup grinders.
3. Blow the cracks and treated surfaces with a clean dry (filtered) compressed air-blast to ensure complete removal of all dust and loose particles.

Mixing

Mix both components till a homogeneous mixture is obtained. It is important that both components are intermixed thoroughly and that no traces of the components remain unmixed. Total mixing time 3 to 5 minutes. Apply sealant using spatula, palette knife, Swedish knife or squeeze.

Properties

Colour:	Grey
Specific gravity:	1.75
Volume solid:	100%
Minimum application temperature:	5°C
Pot life:	2 hours at 20°C ½ hour at 30°C
Full cure:	4 days at 30°C
Maximum service temperature:	+ 70°C
Bond strength:	> cohesive strength of concrete

Application instructions

Preparation

Clean the surface and remove any dust, unsound or contaminated material, plaster, oil, paint, grease, corrosion deposits or algae.

Surface should preferably be prepared using high pressure water jetting or light abrasive blasting, followed by thorough washing to remove dust and remaining particles.

Oil and grease deposits should be removed by steam cleaning, detergent scrubbing or the use of a proprietary degreaser. The effectiveness of decontamination should then be assessed by a pull-off test. No independent priming system is required.

Curing

Allow the sealant to cure for at least 8 hours at 35°C before injecting Nitokit epoxy resin injection system.

Note: At low ambient temperature the curing time must be extended in order to allow sufficient strength to build up in sealant.

A fast set grade is available on request.

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Removal of cured sealant

After the Nitokit system has set, the sealant may be ground or sanded off or, alternatively, softened with a hot air blower and pared off.

Make good any depressions or damaged areas with further quantities of surface sealant.

Cleaning

Tools and equipment should be cleaned with Fosroc Solvent 102 immediately after use.

Precautions

Health and safety

Some people are sensitive to epoxy resins so gloves and barrier cream, Vaseline, Kerodex 71, Rozalex 9, Debba-wet work or similar, should be used when handling these products. If contact with the resin occurs, it must be removed, before it hardens, with resin removing cream such as Kerocleanse 22, and Rozalex 42 followed by washing with soap and water. Do not use solvent.

Provide adequate ventilation during application and curing process.

Fire

Nitokit Surface Sealant is flammable. Do not use near naked flames or smoke during use.

Flash point

Nitokit Surface Sealant:	60°C
Fosroc Solvent 102	33°C

Storage

Shelf life 12 months if stored in a dry and cool place, below 25°C.

Packaging

Nitokit Surface Sealant:	1 kg and 5 kg
Fosroc Solvent 102	4 litre can

Coverage

Nitokit Surface Sealant:	1.75 kg/m ² /mm thickness
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Recoatibility

Recoatible with all coatings based on epoxy and coal tar epoxy within a maximum interval of 48 hours.

Supply

Reference should be made to our local Sales Department Staff or Local Agents. Contract supplies may be arranged with the factory in Jeddah.

Technical Service

An advisory service is maintained from Jeddah for on-site assistance and advice on the use of Fosroc product range. This service is supported by a team of Specialists in the field.

Additional information

Technical data and guidance can be provided on a wide range of admixtures and concreting aids including, Accelerators, Retarders, Waterproofer, Mould Release Agents, Surface Retarders, Workability aids and Repair materials.



Fosam Company Limited

Head Office
Post Box 11081
Jeddah – 21453
Saudi Arabia

www.fosroc.com

Important note:

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Telephone: +966 2 637 5345

Fax: +966 2 637 5891

email: fosam@fosroc.com

Regional Offices

Jeddah Sales Office	Tel: (02) 608 0999	Fax: (02) 638 0693	Yanbu	Tel: (04) 322 4280	Fax: (04) 391 2980
Jeddah Showroom	Tel: (02) 665 0187	Fax: (02) 667 4484	Makkah	Tel: (02) 542 0869	Fax: (02) 542 0869
Riyadh	Tel: (01) 482 9303	Fax: (01) 482 7562	Medinah	Tel: (04) 855 0091	Fax: (04) 855 0047
Dammam	Tel: (03) 814 1282	Fax: (03) 814 1581	Jubail	Tel: (03) 362 3904	Fax: (03) 362 3875
Khamis Mushayt	Tel: (07) 250 0469	Fax: (07) 250 0469	CSD	Tel: (02) 608 0999	Fax: (02) 638 0693

Registered Office: Industrial Area, Phase 4, Road No. 414, Street No. 407