



Nitocote® VF

Epoxy resin based putty

Uses

For filling blow holes, making good slightly damaged concrete, eliminating minor irregularities on floors and walls prior to applying Nitoflor and Nitocote epoxy coatings.

Advantages

- Easy to apply and finish
- Consistency can be adjusted by varying the filler content
- Non-slump, can be applied to vertical surfaces and trowelled into blow holes
- Reduces consumption of subsequent coatings
- Chemical resistant
- Good adhesion to concrete and steel surfaces
- Cures without shrinkage
- Available in a wide range of colors

Description

Nitocote VF is a thixotropic, solvent free, three component compound based on epoxy resins, graded fillers and thixotropic agents. It is applied directly to concrete for filling cracks, blow holes etc., which cures to a surface ready for subsequent coatings.

Technical support

Fosroc offers a technical support service to specifiers, end users and contractors, as well as on-site technical assistance in locations all over the country.

Properties

Density	: 1.6 g/cc
Volume solids	: 100%
Minimum application temperature	: 10°C
Compressive strength	: 50N/mm ²
Pot life	: 40 min at 25°C
Drying time	: 8 hrs at 30°C
Recoatable	: 24 hours
Full cure	: 7 days at 30°C

Application instructions

Surface preparation

Steel : Sand blasting to SA 2 ½ , clean and dry.

Concrete : Clean, dry, should be free from laitance, sand blasting or mechanical wire brushing may be necessary.

Mixing

Using a slow speed drill with a suitable mixing paddle, mix base, hardener components and add the filler in small quantities to get the required consistency. It is important that all the components are intermixed thoroughly.

Application

Due to the easy workability of the product, a variety of instruments such as trowel, scraper, filling knife can be used. After mixing, material can be taken directly from the can, or subdivided on to spot boards for individual applications.

Tool cleaning

Clean the tools immediately after use before the material cures. Use Nitoflor Sol for cleaning the tools. Cured material can only be removed mechanically.

Limitations

Nitocote VF is not suitable for application below 10°C and above 40°C.

Cured Nitocote VF is not suitable for subzero temperatures.

Estimating

Packaging

Nitocote VF	1/2 and 1 litre packs
Nitoflor Sol	1, 5 and 20 litre cans

Coverage and yield

Nitocote VF will be consumed at a rate of 1m² at 1mm/litre thickness. Depending on the substrate conditions the coverage may vary.

Storage

Shelf life

12 months in unopened containers when stored under normal warehouse conditions.

Nitocote® VF

Precautions

Health & Safety instructions

Avoid skin and eye contact and inhalation of vapours. Gloves, goggles and masks should be worn during application. If the product comes into contact with the skin, should be washed thoroughly with a suitable industrial cleaner with luke warm water and soap. In case of eye contact, should be washed with clean water and medical advice sought immediately.

Exposure of the materials to naked flame is not suggested. Smoking is prohibited during application / handling of the product.

Flash point : 40°C

Additional information

The Fosroc range of associated products includes high strength cementitious, epoxy grout, polyester resin based mortar for rapid presetting of steel shims to level or for direct bedding of small base plates; Resin anchoring systems for same day anchoring of bolts in drilled holes in concrete or rock. Also available a range of products for use in construction; viz., admixtures, curing compounds, release agents, flooring systems and repair mortars.

Separate datasheets are available on these products.

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