



# Fosroc Nitomortar FC(B)

## Epoxy resin fairing coat and blow hole filler

### Uses

Nitomortar FC(B) is designed for application to blow holes and surface imperfections in concrete surfaces. It is suitable for application in thicknesses greater than 3 mm, and can be used in the following situations :

- Filling blow holes prior to overcoating .
- General reprofiling over large areas up to a thickness of 5 mm.

### Advantages

- **Cost effective** - reduces usage of subsequent coatings.
- **Cost effective** - can be part mixed to suit repair areas.
- **High performance** - excellent chemical resistance, strong adhesion to concrete substrate.
- **User friendly** - easy to apply and finish, manufactured to meet local conditions.

### Description

Nitomortar FC(B) is a two component thixotropic, solvent free, compound based upon epoxy resins, graded fillers and thixotropic agents. It is applied directly to concrete substrates without the use of a primer, and cures to a surface ready for over coating. The base component is light grey coloured and the hardener black to ease identification of uniform mixing.

Nitomortar FC(B) is designed for filling blow holes and irregularities prior to the application of subsequent coatings. It can be applied in thicknesses upto 5 mm.

### Properties

<b>Solids by weight</b>	: 100%
<b>Compressive strength</b>	: 70 N/mm <sup>2</sup> @ 9 days
<b>Pot life</b>	: 90 minutes @ 25°C 45 minutes @ 35°C
<b>Drying time</b>	: 10 hours @ 25°C 4 hours @ 35°C
<b>Overcoating time</b>	: After 24 hour curing period
<b>Colour</b>	: Grey
<b>Chemical resistance</b>	: Resistant to oils, fats, petrol, salt and sugar solution, bleach, dilute mineral acids, alkalis , white spirit. Not resistant to xylene.

### Instructions for use

#### Substrate preparation

Concrete surfaces should be clean, dry and free from laitance. All blow holes should be 'opened up' to avoid the creation of air pockets. This is best achieved by sandblasting or mechanical wire brushing, as necessary.

#### Mixing

Care should be taken to ensure that Nitomortar FC(B) is thoroughly mixed to produce a fully homogeneous paste.

The 'hardener' and 'base' components should be stirred thoroughly in order to disperse any settlement before mixing them together. The two components should be mixed together in a 1:1 ratio, by volume, until a uniform consistency and grey colour is achieved.

#### Application

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

Nitomortar FC(B) can be overcoated with all epoxy coatings after a minimum curing period of 24 hours. Prior to overcoating, the fully cured surface should be dust-free.

#### Cleaning

Nitomortar FC(B) should be removed from tools, equipment and mixers with Solvent 102\* immediately after use. Hardened material can only be removed mechanically.

### Technical support

Fosroc offers a comprehensive range of high performance, high quality 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.

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## Estimating

### Supply

<b>Nitomortar FC(B)</b>	:	4.0 litre packs
<b>Solvent 102</b>	:	5.0 litre cans

### Coverage and yield:

Coverage of Nitomortar FC(B) is wholly dependant upon surface conditions, site trials are therefore recommended to ascertain actual usage on uneven substrates.

## Storage

### Shelf life

12 months if kept in unopened tins and stored in a dry place away from direct sunlight.

### Storage conditions

Store in dry conditions in the original, unopened containers. If stored at high temperatures the shelf life may be reduced to 4 to 6 months.

## Limitations

- Nitomortar FC(B) should not be exposed to moving water during application.
- Exposure to heavy rainfall prior to final set may result in surface scour.
- If any doubt arises concerning temperature or substrate condition, consult the local Fosroc office.

## Precautions

### Health and safety

Some people are sensitive to epoxy resins so gloves and barrier creams such as 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 a resin removing cream such as Rozalex 42 or Kerocleanse 22 followed by washing with soap and water. **Do not** use solvent.

Avoid contact with skin and inhalation of vapours. Gloves and overalls should be worn.

Ensure adequate ventilation during application and drying process. If the eyes are contaminated, wash out with water for at least 10 minutes and seek medical attention at once.

### Fire

Nitomortar FC(B) is non-flammable.

Solvent 102 is flammable. Keep away from sources of ignition. No smoking. In the event of fire extinguish with CO<sub>2</sub> or foam. Do not use a water jet.

### Flash points

<b>Solvent 102</b>	:	33°C
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For further information, refer to the product materials safety data sheet.

\* Denotes the trademark of Fosroc International Limited

† See separate data sheet



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## 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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