

Nitomortar FCB T

Epoxy resin fairing coat and repair mortar



Uses

Nitomortar FCB T is designed for application to blow holes and surface imperfections in concrete surfaces. It is also suitable for anchoring reinforcement. It is suitable for application in thicknesses greater than 2 mm, and can be used in the following situations:

- Repairing and filling the surface irregularities prior to coatings
- General reprofiling up to a thickness of 30 mm
- As a carbon plate adhesive

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 FCB T is a two component thixotropic, solvent free, epoxy based repair mortar. It is applied directly to concrete substrates without the use of a primer, and cures to a surface ready for over coating.

Nitomortar FCB T is designed for filling blow holes and irregularities prior to the application of subsequent coatings. It can be applied in thicknesses 2 mm – 30 mm.

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.

Properties

Density	1,92 g/cm ³
Compressive strength	≥ 65 N/mm ²
Pot life	65 minutes
Shore D Hardness	79 , at 7 days
Adhesion Strength	≥ 2.0 N/mm ²
Colour	Light brown
Chemical resistance	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 FCB T 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 until a uniform consistency is obtained.

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 FCB T 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 FCB T should be removed from tools, equipment and mixers with Solvent 102* immediately after use. Hardened material can only be removed mechanically.

Packaging

Nitomortar FCB T	6 kg packs
Component A	4,5 kg
Component B	1,5 kg
Fosroc Solvent 102	5 litre cans
Consumption	
Nitomortar FCB T	1,78 kg/m ² /mm

Coverage of Nitomortar FCB T is wholly dependant upon surface conditions, site trials are therefore recommended to ascertain actual usage on uneven substrates.

Nitomortar FCB T

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 FCB T should not be exposed to running 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 FCB T is non-flammable.

Solvent 102 is flammable. Keep away from sources of ignition. No smoking. In the event of fire extinguish with CO₂ or foam. Do not use a water jet.

Flash point

Fosroc Solvent 102	33°C
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For further information, refer to the product materials safety data sheet.



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Additional Information

Fosroc manufactures a wide range of complementary Products which include :

- waterproofing membranes & water stops
- joint sealants & filler boards
- cementitious & epoxy grouts
- specialized 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 :

- 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.

* Fosroc International Limited şirketinin ticari markasıdır

† İlgili bilgi föyüne bakınız

Önemli Hatırlatma

Fosroc ürünleri malzeme ve üretim kusurlarına karşı garantili olup Fosroc Mal ve Hizmet Tedarik Koşullarına uygun olarak satılır. Tüm Fosroc bilgi föyleri düzenli olarak güncellenmektedir. En son versiyona sahip olmak kullanıcının sorumluluğundadır.

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