

Nitocote primer sealer*



Multi-purpose chemically resistant solvent-free epoxy primer and sealer

Uses

Nitocote primer/sealer provides a clear coating onto cementitious substrates making them dust proof, and resistant to the penetration of oils and chemicals. Nitocote primer/sealer is suitable for use as a primer particularly on damp substrates prior to the application of Fosroc Nitocote coatings, and for sealing epoxy mortars and screeds. Being solvent free it is particularly suitable for enclosed areas.

Advantages

- Solvent free - can be applied in confined spaces.
- Chemical resistance - withstands attack by a wide range of chemicals, acids and alkalis.
- High bond strength - superior chemical and physical bond to virtually all substrates including damp substrates.
- Easy to use with a 2:1 by volume mix ratio promoting ease of mixing.

Description

Nitocote primer/sealer is a two component solvent free epoxy resin system, suitable for priming both dry and damp surfaces.

Technical support

Fosroc offers a comprehensive range of high performance, high quality products suitable for use within all aspects of the concrete repair and protection industry. In addition, the company offers a technical support package to specifiers, end-users and contractors, as well as on-site technical assistance in locations all over the world.

Design criteria

Nitocote primer/sealer is designed for application in one coat. However a second coat may be required on porous concrete surfaces.

Properties

Temperature:	25°C	35°C
Initial hardness:	24 hrs	16 hrs
Full Cure:	7 days	5 days
Open time: (minimum)	60 mins	40 mins
Open time: (maximum)	3 hrs*	2 hrs *
Tack free time:	6-8 hrs	2-3 hrs

* The maximum open time can be lengthened to 3 days by scattering aggregate into the wet primer before it has cured (0.5-1.0 kg aggregate per m²).

Chemical resistance

Nitocote primer/sealer has excellent resistance to a wide range of industrial chemicals. Consult the Fosroc technical department for advice.

Application Instructions

Surface preparation

It is essential that Nitocote primer/sealer is applied to sound, clean substrates in order to achieve maximum adhesion between the sealer and the substrate.

Clean the surface and remove any dust, unsound material, plaster, oil, paint, grease, corrosion deposits or algae. Roughen the surface and remove any laitance by light scrubbing or grit blasting.

Oil and grease deposits should be removed by steam cleaning, detergent scrubbing or the use of proprietary degreaser. The effectiveness of decontamination should then be assessed by a pull-off test.

Mixing

The two components should be mixed using a heavy duty slow speed drill and approved mixing paddle together in a 2:1 by volume ratio for 2 to 3 minutes, until homogeneous.

Coating

The mixed Nitocote primer/sealer should be applied to the clean, prepared surface, using a brush or lambswool roller. Ensure that the area is completely coated and that 'ponding' of the material does not occur.

A second coat may also be required if the concrete is porous.



Cleaning

Tools and equipment can be cleaned by washing immediately with water.

Estimating

Supply

Nitocote primer/sealer:	30 litre drums
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Coverage

Typical onto smooth sound concrete:	6 - 8 m ² /kg
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Storage

Nitocote primer/sealer has a shelf life of 12 months if kept in a dry store between 5°C and 30°C in the original unopened packs.

Precautions

Health and Safety

Nitocote primer/sealer should not come into contact with skin and eyes or be swallowed. Some people are sensitive to resins, hardeners and solvents. Wear suitable protective clothing, gloves, and eye protection. The use of barrier creams provide additional skin protection. In case of contact with skin, rinse with plenty of clean water, then cleanse with soap and water. Do not use solvent. In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice. If swallowed, seek medical attention immediately - **do not** induce vomiting.

Fire

Nitocote primer/sealer is non-flammable.

Disposal

Spillages of component products should be absorbed onto earth, sand or other inert material and transferred to a suitable vessel. Disposal of such spillages or empty packaging should be in accordance with local waste disposal authority regulations.

Additional Information

Fosroc manufactures a wide range of products specifically designed for the repair and refurbishment of damaged reinforced concrete. This includes hand-placed and spray grade mortars, fluid micro-concretes, chemical resistant epoxy mortars and a comprehensive package of protective coatings. In addition, a wide range of complementary products is available. This includes joint sealants, waterproofing membranes, grouting, anchoring and specialised flooring materials.

Fosroc has produced several educational training videos which provide more detail about the mechanisms which cause corrosion within reinforced concrete structures and the solutions which are available to arrest or retard these destructive mechanisms.

Further information is available from the publication 'Concrete Repair and Protection - The Systematic Approach', available in seven language formats.

For further information about products, training videos or publications, contact the local Fosroc office.



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