

Fosroc Nitoprime SP



constructive solutions

Epoxy based, penetrating, stabilising primer for range of Fosroc epoxy coatings

Uses

- To harden and stabilise concrete surfaces.
- Reduces the potential of substrate contamination from blowing sand or other deleterious material
- Penetrates deeply into the concrete, clogging the pores, thus preventing water from entering into the concrete/ masonry by capillary action
- Long open time

Description

Nitoprime SP is a penetrating, stabilising primer for a range of epoxy coatings. It is a two-component, solvent-based epoxy primer, used on cementitious and concrete substrates where epoxy resin coatings and floorings are applied.

Properties

Mixing ratio (by weight or volume)	:	base:hardener 1 : 1
Specific gravity (mix)	:	approx. 1.0g/cm ³
Volume solids	:	30%
Number of coats	:	1
Open time	:	7-50 hours @ 25°C 4-36 hours @ 35°C

Technical support

Fosroc offers a comprehensive technical support service to specifiers, end users and contractors. It is also able to offer on-site technical assistance, an AutoCAD facility and dedicated specification assistance in locations all over the world.

Instructions for use

Preparation

It is essential that the primer is applied to a sound, clean and dry substrate in order to achieve the maximum adhesive bond and long term durability.

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.

Application

When mixed the primer should be applied immediately with a roller, brush or spray in a thin continuous film. Care should be taken to avoid over application or puddles. If the existing substrate is very porous a second coat may be necessary.

Cleaning

Nitoprime SP should be removed from tools and equipment with Fosroc Solvent 102 immediately after use. Hardened material can only be removed mechanically.

Estimating

Supply

Nitoprime SP	:	4 litre packs
Fosroc Solvent 102	:	5 litre cans

Coverage

Nitoprime SP	:	8.00 m ² /litre
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Storage

Shelf life

Nitoprime SP has a shelf life of 12 months if stored in the original, unopened packs below 25°C.

Fosroc Nitoprime SP

Precautions

Health and safety

Nitoprime SP and Fosroc Solvent 102 should not come in contact with the skin and eyes, or be swallowed. When using Fosroc Solvent 102 ensure adequate ventilation and avoid inhalation of vapour. Some people are sensitive to resins, hardeners and solvent.

Wear suitable protective clothing, gloves and eye protection. The use of barrier creams provides additional skin protection. In case of contact with the 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

Nitoprime SP and Fosroc Solvent 102 are 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

Nitoprime SP

Base	:	24°C
Hardener	:	23°C

Fosroc Solvent 102	:	33°C
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Disposal

Disposal of spillage or empty packaging should be in accordance with local waste disposal regulations. For further information refer to the Material Safety Data Sheet.

Additional Information

Fosroc manufactures a wide range of complementary products which include :

- waterproofing membranes & waterstops
- joint sealants & filler boards
- cementitious & epoxy grouts
- specialised 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 :

- hand-placed repair mortars
- 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.

* Denotes the trademark of Fosroc International Limited



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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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