

Fosroc Nitoproof 10



constructive solutions

Bitumen emulsion protective coating

Uses

To act as a damp-proof membrane and vapour seal for concrete and masonry. It can also be used as a protective coating for concrete below ground.

- Foundation protective coating
- Curing membrane

Advantages

Nitoproof 10 has a number of significant advantages as follows:

- Easy to apply
- Economical in use
- Multipurpose, serves both as a protective coating and curing membrane
- Contains no solvent, no health hazard
- Resists attack by chloride and sulphate ions present in the ground water
- Adhere to wide range of materials including concrete, steel, cork and wood

Standards compliance

Nitoproof 10 complies with concrete curing requirements of ASTM C309-93 when applied at a rate of 2m² per litre and to BS6949:1991 requirements for bituminous coating.

Description

Nitoproof 10 is a brown/black liquid blend of selected bitumens emulsified with water to give an easily applied protective coating.

Specification

Concrete surfaces shall be waterproofed with Nitoproof 10, a bitumen emulsion protective coating. It shall be applied at a rate of 2 m² per litre, and thus act as a combined waterproofing and curing agent in accordance with ASTM C309.

Properties

The essential properties of Nitoproof 10 are:

Bitumen content	: 60%
Time between coats	: Minimum 2 hours

Chemical resistance

(Test results with some common chemicals)

Potable water	- Resistant
Sea water	- Resistant
Ground water	- Resistant

Instructions for use

Surface preparation

Surfaces to be coated must be sound, clean and free of oil or grease. Any oil or grease contamination should be removed with a proprietary chemical degreaser.

If the surface is dusty, it should be primed with a coat of Nitoproof 10, diluted with an equal quantity of cool, clean water and allowed to dry.

Application

Nitoproof 10 may be applied by brush, broom or squeegee.

It is recommended that one or two coats should be applied depending on the degree of protection required. Allow a minimum of 2 hours between coats.

Where the Nitoproof 10 is to take a screed, the second coat should be blinded with clean, dry sharp sand as soon as applied. The excess sand should be brushed off when the coating has dried.

Cleaning

Nitoproof 10 should be removed from tools and equipment with water when it is wet. On drying Nitoproof 10 may be removed with Fosroc Solvent 102*.

Technical support

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

Fosroc Nitoproof 10

Estimating

Supply

Nitoproof 10 : 20 & 200 litre drums

Fosroc Solvent 102 : 5 litre containers

Coverage

Nitoproof 10 : 2.0 to 5.0 m²/litre
(depending on substrate)

Storage

Nitoproof 10 has a shelf life of 12 months when stored under normal warehouse conditions between 15 and 40°C. Protect from temperatures below 10°C.

Precautions

Health and safety

Nitoproof 10 contains bituminous material. Possible risk of irreversible effects in contact with skin. Wear suitable protective clothing, gloves and eye/face protection. Barrier creams provide additional skin protection. Should accidental skin contact occur, remove immediately with plenty of clean water and seek medical advice. If swallowed, seek medical attention immediately - do not induce vomiting.

Fire

Nitoproof 10 is not flammable. Fosroc Solvent 102 is flammable. Ensure adequate ventilation. Do not use near a naked flame and do not smoke during use.

Flash point

Fosroc Solvent 102 : 33°C

For further information, please consult the Material Safety Data Sheet for the respective products.

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

† See separate data sheet



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.**

Head Office

telephone: (+9714) 2039699

fax: (+9714) 2859649

email: agf@fosroc.com

Regional offices

Abu Dhabi, Al Gurg Fosroc
Bahrain, YBA Kanoo
Kuwait, Boodai
Oman, Al Amana
Qatar, Tadmur

telephone: 673 1779
telephone: 17738200
telephone: 4817618
telephone: 24815080
telephone: 4432365

fax: 673 1449
fax: 17732828
fax: 4832124
fax: 24817554
fax: 4419517

email: abudhabi@fosroc.com
email: bahrain@fosroc.com
email: kuwait@fosroc.com
email: oman@fosroc.com
email: qatar@fosroc.com

Al Gurg Fosroc LLC

Post Box 657, Dubai
United Arab Emirates

www.fosroc.com



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