



constructive solutions

Nitoproof 10*

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 2 m² per litre and to BS 6949:1991 requirements for bituminous 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.

Description

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

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.

Properties

The essential properties of Nitoproof 10 are:

Bitumen	:	60 %
Time between coats	:	Minimum 2 hours

Chemical resistance

(Test results with some common chemicals)

Potable water	:	Excellent
Sea water	:	Excellent
10 % Sodium Hydroxide	:	Satisfactory
5 % Sodium Sulphate	:	Satisfactory
Wet heat (70°C+80% R.H.)	:	Satisfactory

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*.

Storage

Nitoproof 10 has a shelf life of 12 months if stored in shade below 45°C under normal warehouse conditions.

Nitoproof 10*

Estimating

Supply

Nitoproof 10	:	20 & 210 litre drums
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Fosroc Solvent 102	:	4 & 20 litre cans
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Coverage

Nitoproof 10	:	2.0 to 5.0 m ² /litre (depending on substrate)
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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.

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

Flash point

Fosroc Solvent 102	:	33°C
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The Right Chemistry for Construction

Fosroc is one of the world's major manufacturers of advanced technology chemical based products for the construction and refurbishment industries. It operates internationally through a network of operating companies, licensees, distributors and agents.

Having over 70 years experience and using global resources for research and technical development, Fosroc has built a substantial worldwide reputation in manufacturing the most comprehensive range of high performance construction chemicals:

- Concrete admixtures
- Surface treatments
- Grouts and anchors
- Concrete repair
- Industrial flooring
- Protective coatings
- Joint sealants
- Waterproofing
- Adhesives
- F.R.P Structural Strengthening
- Specific building products

* Denotes the trademark of Fosroc International Ltd.



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.

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