



constructive solutions

Fosroc Nitoproof 30

Formerly known as Nitoproof 30HL

Multi-purpose, rubberised, bitumen emulsion

Uses

Provides a highly effective waterproof membrane, with cost and labour saving supplementary benefits. It can be used in a wide range of applications :

- Protective coating for below ground concrete & concrete foundations.
- Damp proof membrane in 'sandwich construction'.
- Dual purpose waterproofer and curing compound.
- General purpose waterproofer for walls and floors.
- Highly effective vapour seal.
- Effective as an adhesive/bonding agent for cork panels, insulation boards, expanded polystyrene etc.

Advantages

- Cost saving, material which can be used as a waterproof-er and curing compound in a single application.
- Labour saving, single component material which is also water based, and therefore non-toxic.
- Environmentally friendly, non-flammable, asbestos free and can be used in confined spaces.
- Excellent service life - resistant to chloride and sulphate ions.
- Versatile - highly extensible.

Standards compliance

Nitoproof 30 complies with the concrete curing requirements of ASTM C309, when applied at the rate of 4m² per litre.

Description

Nitoproof 30 is a rubber reinforced, bitumen emulsion. It is supplied as a single component liquid, dark brown in colour, which dries to form a black, flexible coating.

Nitoproof 30 is available in drums and may be applied directly to the substrate by brush or squeegee.

Specification

Where shown on the contract documents, below ground surfaces shall be protected with Nitoproof 30, a rubberised bitumen emulsion, applied at the rate of 1 m² per litre giving a total dry film thickness of minimum 600 microns.

Properties

Form	: Dark brown liquid
Specific gravity	: 1.00
Solids content (tolerance of 5%)	: > 65%
Rubber content	: Approx. 10 %
Drying time	: 30 mins at 25°C
Overcoating time	: 1 hour @ 25°C

Instructions for use

Surface preparation

All surfaces must be clean, dry and free from dirt, dust, oil and grease.

Application

Nitoproof 30 should be applied by brush or squeegee to prepared surfaces. Stir well before use, replace lid when not in use. Soak up any spillage with sand or sawdust and wash down immediately.

Damp proof membrane and vertical vapour barrier

Apply Nitoproof 30 at the rate of 1m² per litre, to give a minimum dry film thickness of 600 microns, as per CP102:1973.

For vertical applications, ensure that there is no material sag. This can be best achieved by multiple coat applications at a maximum rate of 200 microns per coat. For multiple coat application, the second coat should be applied at right angles to the first. All applications should be continued up verticals to the existing damp proof course. Ensure that the membrane is not punctured or damaged during subsequent applications.

Where the surface is to receive a render or plaster finish, a keyed surface should be formed by 'gritting' the second coat with clean, dry sand. Allow a minimum of 48 hours drying period before applying a plaster, render or floor screed.

Flooring adhesive

Nitoproof 30 is a very effective waterproof adhesive for laying wood blocks, cork, asphalt and asbestos tiles. The surface should be clean, dry and smooth. Nitoproof 30 should be applied to the floor screed using a notched trowel, and then left to become tacky after which the tiles should be pressed firmly into place.

Any contamination of the tile's upper surface should be cleaned immediately using a cloth - refer to any special recommendations made by the tile manufacturer.

Fosroc Nitoproof 30

Adhesive for insulation

Nitoproof 30 is suitable for bonding insulation materials such as polystyrene, fibreboard and cork slabs to walls and floors.

The two surfaces to be bonded must be clean, level and free from all points of contact. Nitoproof 30 should be applied to both surfaces and left to become tacky (colour begins to darken). The two surfaces should then be pressed firmly and evenly together.

Repairs

Any damaged areas can be readily overcoated to restore the membrane continuity - provided the surface is properly prepared.

Cleaning

Nitoproof 30 can be removed using only clean water, whilst still damp. If left to dry, then Fosroc Solvent 102* must be used.

Limitations

- Nitoproof 30 is not a structural adhesive, therefore mechanical fixing should be used where appropriate.
- Application should not commence below 6°C or above 45°C.
- Avoid application during windy atmospheric conditions. Application during such periods might cause cracking.
- For application in harsh climatic conditions, 'Nitoproof 600' is recommended.

Estimating

Supply

Nitoproof 30	:	20 and 200 litre drums
---------------------	---	------------------------

Theoretical coverage

(actual coverage rates will depend upon substrate porosity)

General use	:	1m ² per litre to give 600 microns dft
--------------------	---	---

Curing compound	:	4m ² per litre per coat to give 150 micron dft
------------------------	---	---

Storage

Nitoproof 30 will have a minimum shelf life of 12 months if stored in normal warehouse conditions between 15 and 40°C. Protect from temperatures below 10°C.

Precautions

Fire

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
---------------------------	---	------

Health and safety

Some people are sensitive to resins and solvents, so gloves and barrier creams (e.g. Kerodex Antisolvent) should be used when handling these products. Remove any contamination from the skin with soap and water, or resin removing creams (e.g. Kerocleanse Standard Grade Skin Cleaner) followed by washing with soap and water. Do **not** use solvent.

The use of goggles is also recommended, but should accidental eye contamination occur, wash thoroughly with plenty of clean water and seek medical treatment immediately.

* Denotes the trademark of Fosroc International Limited

† See separate data sheet



Al Gurg Fosroc Co. LLC

Post Box 657, Dubai
United Arab Emirates
www.fosroc.com

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

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

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

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



UAE/0237/17/K