

Fosroc Nitoproof 33



constructive solutions

Multi-purpose, one component, 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 :

- General purpose waterproofer for underground concrete structures.
- Waterproofing of retaining walls.
- Waterproofing of basements and water tanks from outside.
- Effective as an adhesive/bonding agent for insulation boards.

Advantages

- Ready to use.
- Can be used in vertical and horizontal applications.
- Excellent service life - resistant to chloride and sulphate ions.
- Crack bridging ability
- Environmentally friendly, water based product.

Description

Nitoproof 33 is a rubber including, bitumen emulsion. It is supplied as a single component liquid, dark brown in colour, which dries to form a black, flexible coating.

Nitoproof 33 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 33, a rubberised bitumen emulsion, applied at the rate of 1.5 kg/ m² giving a total dry film thickness of minimum 1 mm.

Properties

Form	: Brown liquid (Black Dried)
Specific gravity	: ~1.10 kg / l
Solids content	: 60 to 65 %
Service Temperature	: -20°C to 80 °C
Drying time	: ~2 hours at 25°C
Application Temperature	: +5°C to 30°C
Exposure to water	: ~48 hours
Curing Time	: ~24hours to 120 hours

Instructions for use

Surface preparation

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

Application

The priming is strongly advised (0.25 kg/m²) . Nitoproof 33 can be diluted 1.5 of water for priming. The application of the first coat should be waited until the primer will be sufficiently cured. Apply Nitoproof 33 at least as a two coats. The first coat should be left to dry until firm and unmarkable to the touch. The second coat should also be applied in one direction opposite to the first coat. Apply Nitoproof 33 at the rate of 1,5 kg/m² to give a minimum dry film thickness of 1 mm.

Nitoproof 33 should be applied by brush, airless pump 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.

Adhesive for insulation

Nitoproof 33 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 33 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.

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Repairs

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

Cleaning

Nitoproof 33 can be removed using only clean water, whilst still damp. If left to dry, then Fosroc Solvent 102* must be used.

Limitations

- Nitoproof 33 is not a structural adhesive, therefore mechanical fixing should be used where appropriate.
- Application should not commence below 5°C or above 30°C.
- Avoid application during windy atmospheric conditions. Application during such periods might cause cracking.

Estimating

Supply

Nitoproof 33 : 30 kg Pails and 200 kg drums

Theoretical coverage

(actual coverage rates will depend upon substrate porosity)

General use : 3,0 kg/m²

Storage

Nitoproof 33 will have a minimum shelf life of 12 months if stored in normal warehouse conditions

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.

For further information on any of the above, please consult your local Fosroc office - as below

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† 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.**

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