

High performance two component elastomeric cementitious damp-proof coating.

Uses

Nitoproof Damp Protect is a High performance two component elastomeric cementitious damp-proof coating, suitable for application on concrete, brick wall and plastered surface both positive & negative side.

Areas of Application

- Masonry surface, concrete, plaster surface and brick walls subjected to damage from moisture / efflorescence.
- Toilets and wet areas.
- Balconies, chajjas and utilities.

Advantages

- Suitable for treatment of damp patches from negative side
- Excellent crack bridging ability.
- Excellent adhesion to concrete, masonry and plastered surface.
- Long working life.
- Easy application by brush, roller, trowel or spray.
- Bonds to green or damp surface.
- Effective barrier to sulphates, chlorides & carbonation.
- Provides long lasting protection against efflorescence.

Description

Nitoproof Damp Protect is a two component acrylic polymer modified cementitious coating which consists of powder and liquid acrylic emulsion. It requires only mixing at site to produce an easily brushable coating. Nitoproof Damp Protect can simply be applied by stiff brush or roller to obtain the desired thickness.

Technical Support

Fosroc offers technical support service to specifiers, end-users and contractors, as well as on-site technical assistance in locations all over the country.

Properties

Pot life	60 min @ 27°C
Mixed density	1.7 g/cc (brushable consistency)
Colour	Grey
Application temp.	< 10°C
Adhesion to concrete	> 0.8 N/mm ²
Toxicity	Non-toxic
Intermediate coating time	4-6 Hrs
Curing time after 2nd coat	4-5 days
Elongation at break, (ASTM D412)	100
Crack Bridging (ASTM D 4548.5)	No cracking up to 1.2 mm
Reduction of rapid chloride (ASTM C 1202)	70
Water Vapour Permeance, (ASTM E 96)	0.3

Application Instructions

Surface Preparation

All surfaces which are to receive the coating must be free from oil, laitance, grease, wax, dirt or any other form of foreign matter which might affect adhesion. Spalled surfaces or those containing large blow holes, cracks and other such defects should be repaired using Renderoc concrete repair mortars. For further advice on suitable repair mortars, contact the local Fosroc Office.

Mixing/Usage

Nitoproof Damp Protect is mixed as per the proportion given in the table below and mixed with a slow speed drilling Machine. The powder component is added Gradually to the liquid to avoid lump formation and mix for 2-4 minutes.

Mixing ratio

Nitoproof Damp Protect Components	15kg pack	5kg pack
Nitoproof Damp Protect powder	10kg	3.33kg
Nitoproof Damp Protect liquid	5kg	1.67kg

Application

For best results, surfaces should be damp or in SSD condition. In order to obtain the protective properties of Nitoproof Damp Protect, it is important that the correct rates of application are observed. Use a short stiff brush preferably 120 - 150mm width and apply the mixed material like paint.

Nitoproof Damp Protect

The application of Nitoproof Damp Protect should not be done if the temperature of the substrate is below 10°C. When applying on hot substrates i.e., over 30°C surface temperature, saturate the surface with water. Apply Nitoproof Damp Protect in 2 coats to achieve 1mm thickness. The 1st coat should be allowed to dry for 4-6 hours @ 27°C before applying the 2nd coat. Do not add water to Nitoproof Damp Protect during mixing and application. The coated surface should be air cured for a period of 4-5 days.

Cleaning

Nitoproof Damp Protect should be removed from tools and equipment with clean water immediately after use. Hardened material can only be removed mechanically.

Estimating

Packing

Nitoproof Damp Protect :	15kg pack	5kg pack
Nitoproof Damp Protect powder:	10kg	3.33kg
Nitoproof Damp Protect liquid :	5kg	1.67kg

Coverage

This depends on the required consistency. The approximate coverage at even consistency is 15 to 16 sq.ft /kg /coat .

Recommended to apply 2 coats.

Storage

Shelf life

12 months in unopened packs if kept in a dry store.

Precautions

Health and Safety instruction

Nitoproof Damp Protect is non-toxic but alkaline in nature. Gloves and goggles should be worn. Any splashes to the skin or eyes should be washed off with clean water. In the event of prolonged irritation, seek medical advice. Use a dust mask while handling the powder.

Fire

Nitoproof Damp Protect components are non inflammable.

Additional Information

The Fosroc range of associated products includes high strength cementitious, epoxy grout, polyester resin based mortar for rapid presetting of steel shims to level or for direct bedding of small base plates; Resin Anchoring systems for same day anchoring of bolts in drilled holes in concrete or rock. Also available a range of products for use in construction; viz., admixtures, curing compounds, release agents, flooring systems and repair mortars.

Separate datasheets are available on these products.

Important note :

Berger Fosroc products are guaranteed against defective materials and manufacture and are sold subject to its standard terms and conditions of sale, copies of which may be obtained on request. Whilst Berger Fosroc endeavours to ensure that any advice, recommendation specification or information it may give is accurate and correct, it cannot, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products whether or not in accordance with any advice, specification, recommendation or information given by it.



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