

# Nitoproof 111

## Flexible, bituminous protective coating

### Uses

Nitoproof 111 is designed to provide a continuous barrier to the passage of water and water vapour and can be used to produce vapour barriers, damp proof courses, below ground concrete protection, concrete curing by water retention.

### Advantages

- Single component
- Easily and inexpensively applied; high coverage rate
- Can be applied to damp concrete substrates
- Quick drying
- Excellent adhesion to most common building substrates

### Description

Nitoproof 111 low viscosity blend of selected bitumens dries to form a high quality tough bitumen film. Nitoproof 111 can be applied by brush, roller or spray equipment to prepared surfaces for a variety of purposes.

 2404	<b>FOSROC İDEA YAPI KİMYASALLARI SAN. VE TİC. A.Ş.</b>  Demirciler Organize Sanayi Bölge. Mah. Haldun Aksoy Cad. No:12/1 Gebkim OSB Dilovası/Kocaeli 20
2404-CPR-TH1018	
<b>TS EN 1504-2</b> Surface Protection System	
DoP Number	TR1504-2/034
Water Vapor Permeability	Class I
Capillary Water Absorption	$\leq 0.5 \text{ kg/m}^2 \text{ h}^{0.5}$
Bond Strength	1,30 N/mm <sup>2</sup>
Penetration Depth	1,89 mm
Water Absorption (%)	4,60
Alkali Resistance (%)	8,80
Drying Speed Coefficient (%)	61,54
Reaction To Fire	Class B
Dangerous Substance	Compatible with Clause5.3

### Properties

Density	1,01 gr/cm <sup>3</sup>
Viscosity	2700 cP
Solids Content	37 to 38 %
Overcoating Time	2 hours @ 35 °C
Curing Time	~24 hours

### Instructions for use

#### Surface Preparation

Surfaces must be clean, dry, free from oil, grease and all loosely adhering particles such as rust, mill scale, mortar and cement laitence. These should be carefully removed by wire or stiff brushing and finally soft brushing or filtered compressed air to remove dust.

Oil and grease should be removed by the use of a proprietary degreasing agent.

Nitoproof 111 can be applied to damp concrete, brick and plaster surfaces provided there is no free surface water or bleed. A test patch is recommend where there is doubt.

#### Application

Stir thoroughly prior to use.

#### Damp-proof membranes, vertical vapour barriers

Apply a full coat of Nitoproof 111 and allow to dry. Coverage rate should be approximately 0.40 kg/m<sup>2</sup> per coat. Apply a second coat of Nitoproof 111 at right angles to the first coat.

#### Curing compound

Apply two coats of Nitoproof 111 as for damp proof membranes. Nitoproof 111 can be applied to damp concrete.

#### Repairs

Damaged areas of Nitoproof 111 can be readily overcoated to restore the continuity of the membrane..

#### Cleaning

Tools and equipment should be cleaned with water immediately after use.

However once the Nitoproof 111 has dried it can only be removed with Fosroc Solvent 102.

### Limitations

Application should not commence if the temperature of the substrate is below 5°C or above 30 °C

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## Technical support

Fosroc offers a comprehensive range of high performance, high quality repair, maintenance and construction products. In addition, Fosroc offers a technical support package to specifiers, end-users and contractors, as well as on-site technical assistance in locations all over the world.

Packaging	
Nitoproof 111	25 kg pails
Consumption	
Nitoproof 111	0.30 -0.50 kg /m <sup>2</sup> /coat depending upon substrate porosity and smoothness.

## Storage

Nitoproof 111 will have a minimum shelf life of 12 months if stored in normal warehouse conditions. Store under normal warehouse conditions between 15°C and 35°C in original unopened containers. Protect from temperatures below 10°C.

## Precautions

### Health and safety

Some people are sensitive to resins and solvents so gloves and a barrier cream such as Kerodex Antisolvent, Rozalex Antipaint, Debba-Wet Work or similar should be used when handling these products. Remove contamination from the skin with soap and water or a resin removing cream such as Kerocleanse Standard Grade Skin Cleanser or Rozaklens Industrial Skin Cleanser. Follow by washing with soap and water. Do not use solvent. The use of goggles is recommended but should accidental eye contamination occur, wash thoroughly with plenty of water and seek medical treatment immediately.

Replace lid when not in use. Soak up any spillage with sand or sawdust.

## Fire

Nitoproof 111 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 on any of the above, please consult your local Fosroc office - as below

## 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



## FOSROC İDEA YAPI KİMYASALLARI

Aydınevler Mah.Sanayi Cad.  
Demirtaş Plaza No:13 D:7-8  
Maltepe İstanbul / TÜRKİYE

[www.fosroc.com](http://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.

Telephone :  
+90 216 463 69 63

Fax :  
+90 216 463 67 76

email:  
EnquiryTurkey@Fosroc.com

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† See separate data sheet