



# New Guard Coatings Group

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This information is not exhaustive and it is the user's responsibility to ensure that this data sheet is the most current by contacting their local New Guard Coatings Group branch prior to using the coating/product.

[www.newguardcoatings.com](http://www.newguardcoatings.com)

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# Fosroc Nitoprime 25



constructive solutions

## Epoxy resin primer for Fosroc flooring and coating range

### Uses

Nitoprime 25 is a general purpose anti-corrosion primer for concrete and steel surfaces (prepared by abrasive blast cleaning), for use with various Fosroc coatings and flooring range. The product actively prevents corrosion and is tolerant to application over manually prepared surfaces.

### Advantages

- Active corrosion control
- Formulated for use with Fosroc flooring and coating systems

### Description

Nitoprime 25 is a two pack epoxy primer, providing corrosion protection and improved adhesion.

### Properties

	23°C	35°C
<b>Pot Life</b>	: 2h	1h
<b>Average Drying Times</b>	:	
<b>Touch</b>	: 4-5h	3h
<b>Recoat</b>	: 6-8h	4h
<b>To handle</b>	: 9-10h	6h

### Instructions to use

#### Surface preparation

Blast clean to SA2½ BS7079: Part A1:1989 (ISO 8501-1:1988). Average surface profile should be in the range of 50-75µm. Manually prepared surfaces should be to a minimum standard of St 3 BS7079: Part A1:1989 at the time of coating. Ensure surfaces to be coated are dry and free from all traces of surface contaminants.

### Application

#### Equipment

#### Airless Spray

	wft 75-125mm	wft 125-350mm
<b>Nozzle Size</b>	: 0.33-0.38mm (13-15thou)	0.38-0.46mm (15-18thou)
<b>Fan Angle</b>	: 40°C	40°C
<b>Operating Pressure</b>	: 155kg/cm <sup>2</sup> (2200psi)	155kg/cm <sup>2</sup> (2200psi)

The airless spray details given above are intended as a guide only. Fluid hose length and diameter, paint temperature and project complexity all have an effect on the choice of spray tip and operating pressure. The operating pressure should be the lowest possible consistent with satisfactory atomization. As conditions vary, it is the applicators' responsibility to ensure that the equipment in use has been adjusted to give optimum performance.

#### Conventional spray

<b>Nozzle Size</b>	: 1.27mm (50 thou)
<b>Atomizing Pressure</b>	: 2.8kg/cm <sup>2</sup> (40psi)
<b>Fluid pressure</b>	: 0.4kg/cm <sup>2</sup> (6psi)

The conventional spray details given above are intended as a guide only. It may be found that in some circumstances, slight variations in atomizing pressure, fluid pressure and alteration of tip arrangements may provide optimum atomization.

For application by conventional spray, thinning with up to 10% Fosroc Solvent 102 may be required. Adjustment for wet film thickness should be allowed. Thinning will effect VOC compliance.

#### Brush and Roller

The material is suitable for brush and roller application.

Application of more than one coat may be required to give the equivalent dry film thickness to one spray applied coat.

#### Application conditions

The application of Nitoprime 25 must take place immediately to a dry steel surface after completion of the preparation work. Good ventilation is essential in conditions of high humidity, i.e 80-85%.

# Fosroc Nitoprime 25

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## Limitations

Nitoprime 25 should not be applied when the substrate temperature is below 5°C or is 5°C and falling. If any doubt arises concerning temperature or application conditions, consult the local Fosroc office..

## Estimating

### Supply

<b>Nitoprime 25</b>	:	4.5 litre units
<b>Fosroc Solvent 102</b>	:	5 litre cans

### Coverage

<b>Nitoprime 25</b>	:	7.5m <sup>2</sup> /litre @ 133microns wft
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**Note** : The coverage figure of Nitoprime 25 is theoretical and may vary due to a variety of site conditions.

## Storage

### Shelf life

Nitoprime 25 has a shelf life of 12 months and Fosroc Solvent 102 has a shelf life of 12 months, if kept in a dry store in the original unopened packs.

## Precautions

### Health and safety

Nitoprime 25 and Fosroc Solvent 102 should not come in contact with skin or eyes, or be swallowed. Ensure adequate ventilation and avoid inhalation of vapours. Some people are sensitive to resins, hardeners and solvents. Wear suitable protective clothing, gloves and eye protection.

If working in confined areas, suitable respiratory equipment must be used.

The use of barrier creams provide additional skin protection. In case of contact with skin, rinse with plenty of clean water, then cleanse with soap and water. In case of skin contact with Nitoprime 25, remove immediately with resin removing cream followed by washing with soap and water.

Do not use solvent. In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice. If swallowed, seek medical attention immediately - do not induce vomiting.

### Fire

Nitoprime 25 and Fosroc Solvent 102 are flammable. Keep away from sources of ignition. No smoking. In the event of fire, extinguish with CO<sub>2</sub> or foam. Do not use a water jet.

### Flash points

<b>Nitoprime 25</b>	:	24°C
<b>Fosroc Solvent 102</b>	:	33°C

For further information, refer to the Product Material Safety Data Sheet.

\* Denotes the trademark of Fosroc International Limited

† 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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