



# Nitoprime XG

## Moisture insensitive epoxy primer for cementitious substrates

### Uses

It is suitable for priming concrete surfaces prior to the application of any of the Nitoflor SL2000/4000 and TF range of resin based floor toppings, Nitocote range of protective coatings or Nitomortar epoxy repair mortars.

### Advantages

- Can be applied even on damp moist surfaces
- Improves the adhesion of epoxy floor toppings and epoxy mortars with the substrate.

### Description

Nitoprime XG is a two component epoxy based primer with good penetrating properties for concrete surfaces.

### Technical support

Fosroc provides a countrywide technical advisory service supported by a team of specialists in the field.

### Properties

Nitoprime XG	20 °C	30°C
Pot life	90 min.	45-50 min.
Specific gravity	1.112 g/cc	
Temperature limitations	Recommended application range is 10°C - 40°C. Consult local Fosroc office where application is outside the range of 10°C - 40°C.	

### Application instructions

#### Surface preparation

For best results it is recommended to use Nitoprime XG on concrete which is at least 7 days old, and prepared surface as per standard practice.

#### New concrete floors

Shall be at least 7 days old before proceeding with primer application. Laitance and deposits on new concrete floors are best removed by light grit blasting, mechanical scabbling or grinding. On smaller areas thorough etching using Reebaklens may be considered. After etching the floor, it should be thoroughly washed with clean water.

#### Old concrete floors

Mechanical cleaning methods as described above are strongly recommended on old concrete floors, particularly where heavy contamination by oil and grease has occurred or existing coatings are present. These may well have been absorbed several millimeters deep into the concrete. To ensure good

adhesion all contamination should be removed and the surface thoroughly cleaned of all dust and loose debris. A thorough detergent wash is also recommended followed by thorough cleaning with clean water.

### Mixing

The base and hardener contents are to be transferred in to a suitable container and mixed thoroughly for 3 mins. until homogeneous, using a slow speed drill ( 400 - 500 rpm) fitted with a suitable mixing paddle.

### Application

Once mixed the primer should be applied immediately in a thin continuous film to the clean prepared surface. Work the primer into the surface using a stiff brush or roller. Excess application and puddling should be avoided. On porous surfaces Nitoprime XG will be absorbed very quickly leaving characteristic light coloured dry patches. It is recommended that a second priming coat be applied to these dry areas. This not only helps to ensure good adhesion but also prevents air release from the porous substrate which may cause bubbles in the final epoxy topping later.

For Nitoflor SL2000 / 4000 and Nitocote/Nitoflor coatings applications, leave the Nitoprime XG to dry overnight. For Nitoflor TF and Nitomortar, allow Nitoprime XG to become tacky.

### Cleaning

All tools and equipments should be cleaned with water immediately after use. Spillages should be absorbed with sand or sawdust and disposed off in accordance with local regulations.

### Limitations

#### Temperature limitations

Recommended application range is 10 °C - 40°C. Consult Fosroc where application or service is outside the range of 10°C to 40°C.

# Nitoprime XG

## Estimating

### Packaging and coverage

Nitoprime XG is available in 1 litre pack.

### Coverage

	Approximate coverage rate
Nitoprime XG	5.2 - 6.2 m <sup>2</sup> /litre

The coverage depends on substrate conditions.

Over vacuum dewatered floors finished with power trowels, after surface preparation, coverage of Nitoprime XG may exceed for the above values.

### Storage

Nitoprime XG has a shelf life of 6 months when stored in unopened containers under normal warehouse conditions.

## Precautions

### Health & Safety

Nitoprime XG should not come into contact with skin and eyes or be swallowed. Avoid prolonged inhalation of solvent vapours.

Some people are sensitive to epoxy resins, hardeners and solvents. Gloves, goggles and barrier creams should therefore be used while handling the product. Adequate ventilation should be ensured and if working is enclosed areas, suitable breathing apparatus must be used. If the resin comes in contact with skin, it must be removed before it hardens with a resin removing cream, followed by washing with soap and water - solvent should not be used.

Should accidental eye contamination occur with any of the above products, it should be washed well with plenty of water and medical advice should be sought. If swallowed medical attention should be sought immediately. Vomiting should not be induced.

### Fire

Do not expose to naked flames or other sources of ignition. Do not smoke while handling the materials. Containers should be tightly sealed when not in use. In the event of fire, extinguish with CO<sub>2</sub> or foam type extinguishers.



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