



Nitoprime SF

(Formerly: Techfloor Primer SF)

Solvent-free clear epoxy primer

Uses

Nitoprime SF is ideal for all porous cementitious substrates

Advantages

- Sealer for all concrete surfaces.
- Low odour formulation, suitable for use in sensitive environments
- Easy to use and can be applied by brush or roller.
- Provides very good adhesion (or tensile properties) for bonding of Nitoflor flooring systems.
- Provides a sealed substrate in readiness for range of Nitoflor finishing systems.
- Designed to promote high adhesion when used with a finishing system used in demanding environments such as manufacturing and processing areas, storage and warehousing.

Description

Nitoprime SF is a stabilising primer for a range of epoxy finishes. It is a two-component, solvent-free epoxy primer, used on cementitious and concrete substrates where epoxy resin coatings finishing systems are applied. Including coatings and screed systems.

Typical properties

Density	: 1.10 Kg/Ltr at 20°C	
Phase	: Liquid	
Color	: Clear	
Touch Dry @ 23°C	: 4 – 6 Hours	
Pot Life @ 23°C	: 30 – 45 minutes	
Volume solids	: 100%	
Compressive strength (7 Days ASTM C579)	: 70 N/mm ²	
Flexural strength (7 Days ASTM C580)	: 55 N/mm ²	
Tensile strength (7 Days ASTM D638)	: 35 N/mm ²	
Bond strength (7 Days ASTM D4541)	: 2.5 N/mm ²	
Shore D Hardness (7 Days ASTM D2240)	: 82	
Minimum Time Between Coats at	@ 20°C 24 Hrs	@ 30°C 16 Hrs
Maximum Time Between Coats at	@ 20°C 36 Hrs	@ 30°C 24 Hrs

Instruction for use

Surface preparation

All surfaces should be clean, dry and free from contamination by using vacuum to remove all dust and debris.

Ensure all substrates are prepared by mechanical techniques, such as light vacuum blasting preparation to provide a fine textured substrate.

Nitoprime SF should be applied on dry concrete or substrates with humidity content below 4-5%.

Mixing

- Nitoprime SF is a two components material comprising base and activator which must be together prior to use.
- Stir the base, continue stirring whilst adding all the contents of the activator and mix until homogeneous. Mixing should be completed using a slow speed stirrer and appropriate mixing paddle.

Application

Nitoprime SF should be applied by brush or short haired quality wool roller. When applying by roller use suitable roller tray to avoid primer ponding on the floor.

It is not advisable to apply Nitoprime SF when the surface is less than 10°C.

Technical Support

Fosroc offers a comprehensive technical support service to specifiers, end users and contractors. It is also able to offer on-site technical assistance, an AutoCAD facility and dedicated specification assistance in locations all over the world.

Storage

Nitoprime SF must be stored in a cool, dry store away from sources of heat in the original unopened packaging.



Nitoprime SF

(Formerly: Techfloor Primer SF)

Precautions

Health and Safety

Nitoprime SF should not come in contact with the skin and eyes or be swallowed. Avoid inhalation of vapour. Some people are sensitive to resins, hardeners and solvent.

Wear suitable protective clothing, gloves and eye protection.

The use of barrier creams provides additional skin protection.

In case of contact with the skin, rinse with plenty of clean water, then cleanse 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.

For further information, please consult MSDS.

Fire

Nitoprime SF is non- flammable.

Estimating

Supply & Yield

Nitoprime SF : 2.5 Kg & 14 Kg

Rates : 6-10 m²/Kg/ coat depending on the substrate @ DFT: 90 – 150 microns

Note: In the event that the substrate is very porous, a second application of Nitoprime SF may be required.



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 recent version.**

Head Office

6th of October City, 3rd Industrial Zone, Arab Republic of Egypt.

Tel: (02) 38242045 / (02) 38242046

Fax: (02) 38242098

E-mail: Egypt@Fosroc.com