

A two component flexible sealing coat for the Nitodek FS systems

Uses

The Nitodek FS system is a hybrid fast curing trafficable waterproofing system that combines MMA Technology with polyurethanes to produce a slip resistant solution that is both hard wearing and flexible suitable for balconies, car park decks, ramps and turning circles. Bespoke systems can be produced from the suite of system products to suit specific situations and performance requirements. Nitodek FS Topcoat is a medium-viscosity methacrylic resin that is applied as a sealing coat. The product comes in clear or pigmented versions.

Advantages

- Fast setting
- Range of colours
- Crack bridging properties
- Seamless
- Easy to apply
- Solvent free

Description

Nitodek FS Topcoat is two component product comprising resin and hardener. It has good application properties and therefore will not leave trowel marks. Nitodek FS Topcoat comes in a range of colours; it can also be used with coloured flakes.

Properties

Typical properties at 20°C unless otherwise noted:

Viscosity	150 – 180 mPa·s
Density (pigmented)	1.15 g/cm ³
Density (clear)	0.98 g/cm ³
Pot life (100pbw resin + 2pbw.hardener powder)	approx. 15 min.

Application

Nitodek FS Topcoat is part of the Nitodek FS systems for car park decks, turning circles and ramps.

Surface preparation

Nitodek FS Topcoat is applied over Nitodek FS Wearcoat. The receiving surface must be dry, clean and free from contamination.

Substrate

Preparation of the concrete substrate takes place prior to the application of the Nitodek FS Primer. Consult the Nitodek FS Primer technical data sheet for substrate requirements and preparation.

For steel and other substrates contact the Fosroc Help Desk.

Treatment of cracks/joints/day-joints/up-stands

Consult Fosroc Technical Help Desk for details of treatment.

Application Temperature

Normal application temperature range is 5 - 30°C. For application temperatures <5°C or >30°C please contact the Fosroc Technical Help Desk.

Recommended Batch Quantity – Table 1

Item	Component	Batch Quantity for 15 litre bucket
1	Nitodek FS Topcoat Resin	10 kg
2	Nitodek FS Hardener	200 - 600g See "Hardener Dosages" table for quantities
	Total: Average consumption: 0.7 kg/m ²	10.0 kg approx

Hardener Dosage – Table 2

Temperature	Hardener Powder % (of resin)	Pot life approx. min.	Curing time approx. min.
+5 °C	6.0	20	50
+10 °C	5.0	15	40
+20 °C	3.0	12	35
+30 °C	2.0	10	30

The quantity of hardener is calculated as a % of the weight of resin to be used.

For further Hardener information, please refer to the separate product information sheet "Nitodek FS Hardener Powder".

Fosroc® Nitodek FS Topcoat

Application of Fosroc Nitodek FS Topcoat

The substrate must be primed with Nitodek FS Primer (if required Nitodek FS Membrane and Fleece) and the Nitodek FS Wearcoat applied in accordance with Fosroc's Nitodek FS Method Statement.

The Nitodek Topcoat resin must be stirred with a drill and paddle to ensure any settlement has been properly re-dispersed.

Nitodek FS Topcoat resin and hardener should be mixed according to the ratio given in Table 1 (overleaf). Depending on the skill and experience of the applicator different application tools can be used eg. Mohair roller, comb trowel or smooth trowel. Apply as a single coat.

Nitodek FS Topcoat must be allowed to cure properly before returning the area to service.

Cleaning

Tools and equipment can be cleaned immediately after use with Nitodek FS Solvent. Hardened material must be removed mechanically.

Estimating

Refer to your local Fosroc office regarding estimation of product quantities and dosage rates.

Supply

Nitodek FS Topcoat Resin	25kg pails
Colours:	
Approx RAL6010	Grass Green
Approx RAL5017	Traffic Blue
Approx RAL7012	Basalt (Dark Grey)
Approx RAL7042	Traffic Grey
Approx RAL7046	Tele Grey
	Clear

Nitodek FS Hardener – is supplied separately in a 25kg box.

Yield

25kg of Nitodek FS Topcoat, applied at 0.7kg/m², will cover approximately 35m²

Limitations

Nitodek FS Topcoat should not be used below 5°C. Use in a well-ventilated area. Do not apply to wet or damp surfaces. If in any doubt concerning substrate condition or temperature consult the local Fosroc office.

Coatings made from Nitodek FS Topcoat must not under any circumstances be rolled with a spiked roller, otherwise the protective paraffin film cannot form and cure will be inhibited.

Storage

Store in in dry conditions away from sources of heat and naked flames. All products have a shelf life of 6 months if stored in the unopened original container in a cool (< 25 °C), dry and frost-free location. The optimal storage temperature is +15 °C to +20 °C.

Do not expose to direct sunlight!

Precautions

Health and safety

For further information refer to the appropriate Product Safety Data Sheet available from www.fosroc.com

Fire

Nitodek FS Topcoat Resin is flammable. No smoking. In the event of fire extinguish with foam or CO₂. Do not use water jet. Nitodek FS Topcoat must be stored separately from Nitodek FS Hardener.

Flash point	+10 °C
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Important note

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Certificate number FM 610