

Fosroc® Nitodek FS Coving Paste



A three component coving paste for use with 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 Coving Paste is a methacrylic-based paste designed for the easy manufacture of indoor covings.

Advantages

- Fast setting
- Seamless
- Easy to apply
- Solvent free

Description

Nitodek FS Coving Paste is a three component product comprising resin, filler and hardener which when mechanically mixed is used for the manufacture of indoor covings in both dry and wet areas.

Properties

Typical properties at 20°C unless otherwise noted:

Consistency	Trowellable paste
Pot life (Using 2.5 pbw hardener powder)	approx. 12 min.
Application temperature	5°C to +35°C

Cured material

Compressive strength	40 N/mm ²
Flexural strength	17 N/mm ²
Density	1.85 g/cm ³
Pot life	12 – 15 min

Application

Nitodek FS Primer is applied before Nitodek Coving Paste, as a primer for concrete and cement substrates. The primer must be dry and free from contamination.

Surface preparation

Preparation of the concrete substrate takes place prior to the application of 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.

Recommended Batch Quantity – Table 1

Item	Component	PBW	Batch Quantity for 10 litre bucket
1	Nitodek FS Coving Resin	25	3kg
2	Nitodek FS Hardener	0.375 - 1.25	45-150g. See Hardener Dosage table for quantities
3.	Nitodek FS Coving Filler	75	9kg
	Total: Average consumption: 1.85kg/l of coving volume		12.0 kg approx

Hardener Dosage – Table 2

Temperature	Hardener Powder %*	Pot life approx. min.	Curing time approx. min.
+0 °C	5.0	15	50
+10 °C	4.0	15	40
+20 °C	2.5	12	30
+30 °C	1.5	10	25

The quantity of hardener used 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".

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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.

Mixing

Add Nitodek FS Coving Filler to the Nitodek FS Coving Resin and mix using a drill and paddle for about 1 minute or until the hardener powder is thoroughly dispersed. Then add the Nitodek FS Hardener and mix until a homogenous paste is formed. The hardening time of the coving paste is about 40 minutes at 20°C. It can be used at temperatures ranging from 5°C to +30°C. For coating thickness of more than 10 mm, apply a half thick cove to avoid over-heating of the material during curing. The final layer of coving should follow as soon as the first layer has cooled down.

For covings thicker than 20 mm and for all outdoor covings, use Nitodek FS Repair Mortar.

Nitodek FS Coving Paste 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 Coving Resin	5kg pails
Nitodek FS Coving Filler	15kg bags
Nitodek FS Hardener – is supplied separately in a 25kg box.	

Yield

20kg of Nitodek FS Coving paste will produce approximately 11 litres of coving.

Limitations

Nitodek FS Coving paste 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.

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

Flash point	+10 °C
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Important note

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