

Neodur[®] Fast Track SF

Solvent-free fast-setting aliphatic polyurea system for flooring applications

Description of the product Neodur[®] Fast Track SF is a high-solid, solvent-free polyurea coating. It is fast-drying and fast-curing, enabling the full installation of the flooring system (primer & 2 coatings) within 9 hours (25°C). It can be applied in interior areas, being odor-free.

Fields of application

- Warehouse ramps, garages, terraces, parking areas
- Outdoor and indoor stores, industrial shop floors
- Outdoor laundries, gas stations, etc.

Properties-Advantages

- Neodur[®] Fast Track SF can be applied in one layer, when the surface is smooth and properly pre-treated.
- It is formulated with pure aliphatic resins and contains UV filters, remaining unaffected by the sunlight and adverse weather conditions.
- It cures fast providing quick tack free time (3 hours), allowing most projects to be completed within one day.
- It provides high resistance to abrasion and mechanical stress.
- It shows high chemical resistance (in diluted acids-alkalis, car oils, petroleum, etc.)

Technical characteristics

Appearance	Gloss
Density	1,32 ±0,03g/ml
Mixing ratio (weight prop.)	2A:1B
Consumption	300gr/m ² per layer (with roller) 600gr/m ² per 1 layer (with flat spatula)
Abrasion resistance	75 mg (Taber Test ,CS10/1000/1000,ASTM D4060)
Adhesion strength	≥ 3 N/mm ² (EN 13892-8, concrete)
Flexibility	PASS (ASTM D522, 180° bend, 1/8" mandrel)
Relative atmospheric humidity	<80%
Impact resistance (EN ISO 6272)	IR4

Neodur[®] Fast Track SF

Walkability(+25°C)	3 Hours
Surface humidity content	<4%
Application temperature	+5 °C up to +30°C
Total hardening	24 hours

Pot Life

Temperature	Time
+12°C	12 minutes
+25°C	10 minutes
+30°C	5 minutes

Overcoating – Walkability – Light Foot Traffic

Temperature	Time
+12°C	4 hours
+25°C	3 hours
+30°C	3 hours

Full cure – Heavy Traffic

Temperature	Time
+12°C	36 hours
+25°C	24 hours
+30°C	24 hours

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Instructions for use / Application notes

Surface preparation: The concrete surfaces must be rough (not smooth), structurally sound, thoroughly dry, free from dust, dirt, greasy and oily substances. **Neodur[®] Fast Track SF** can be applied 3 hours (25°C) after the priming with **Neodur[®] Primer SF** in 1 or 2 layers.

Mixing: Before application, **Neodur[®] Fast Track SF Part A & Neodur[®] Fast Track SF Part B** should be mixed in their individual containers. Add 1 part (by weight) of Part B to 2 parts (by weight) of Part A, using a mechanical stirrer for 1 minute at low to medium revs (300rpm).

Application: Immediately after mixing spread all the material onto the surface and apply it homogenously using rubber squeegee, spatula or roller. The second layer of **Neodur[®] Fast Track SF** can be applied 3 hours after the first layer.

Colors

RAL 7035, RAL 7038. Tailor-made shades can be produced for a minimum quantity, upon special arrangement.

Packing

Set of 4,5 kg in tin cans (components A&B have fixed weight proportion)

Safety Precautions

See Safety Data Sheets.

Storage stability

The product is stable for 2 years (5-30°C) when kept unopened in its original container, protected from frost and direct sunlight.

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Chemical Resistance

Table of Chemical Resistance

Type of liquid	Permanently at +20°C	Occasionally at +20°C
Distilled water	+++	+++
Salt water	+++	+++
Ethanol 15%	++	+++
Ethanol 95%	+	+
White Spirit	+++	+++
Toluene	+	+
Xylene	++	+++
MIBK	+	+
Butyl Acetate	+	+
Gasoline	++	+++
Ammonia 10%	+++	+++
NaOH 10%	+++	+++
Hydrochloric Acid 10%	++	+++
Hydrochloric Acid 37%	+	++
Sulphuric Acid 10%	+	++
Nitric Acid 10%	+	++
Acetic Acid 10%	+	++
Phosphoric Acid 10%	+	++
Lactic Acid 10%	+	++
Citric acid 10%	+	++
Skydrol	+	++
Engine oil	++	+++
<p>+++ Excellent resistance, ++ Good resistance/some effect, swelling or discoloration, + Poor resistance</p>		

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DoP No.: 4950-48

EN 1504-2

Neodur[®] Fast Track SF

Surface protection products

Coating

Water vapour permeability	Class II
Adhesion strength	≥1,5N/mm ²
Capillary absorption and permeability to water	W<0,1Kg/m ² h ^{0.5}
Permeability to CO ₂	S _D >50m
Reaction to fire	Euroclass F
Dangerous substances	Comply with 5.3