

Neodur® Fast Track PR

Two-component, fast-drying hybrid polyurea - polyurethane primer



Description

Two-component, fast-drying hybrid polyurea - polyurethane primer.
Dry to overcoat in 3 hours (+25°C). Classified as SR-B2,0 acc. to EN 13813.

Fields of application

- Floors and walls which will be covered with the coloured fast-curing aliphatic polyurea **Neodur® Fast Track** systems, enabling the full installation of the flooring system in one day
- Floors and walls which will be covered with epoxy or polyurethane coatings or systems (**Epoxol®**, **Neopox®**, **Neodur®**), enabling the application of both the primer and the first layer of the coating or system in one day
- Roofs which will be covered with the elastomeric cold-applied polyurea **Neoproof® Polyurea** waterproofing systems, enabling the application of both the primer and the first layer of **Neoproof® Polyurea** in one day
- Suitable also as an anti-dust sealer on old or new cement-based surfaces which require stabilization



Appearance

Transparent, yellowish

Packing

Set (A+B) of 4kg

Properties - Advantages

- Fast-drying – Dry to overcoat in 3 hours (+25°C)
- Excellent adhesion on cementitious substrates
- Presents high hardness and resistance to abrasion and chemicals (alkalis, dilute acids, etc.)
- Stabilizes old and new concrete surfaces, preventing dust generation

Certificates – Test reports

- CE certification acc. to EN 13813
Classified as SR-B2,0
- Test report by the external independent quality control laboratory Geoterra (No. 2021/483_12)
- Complies with the V.O.C. content requirements acc. to the E.U. Directive 2004/42/CE

Technical characteristics

Mixing ratio A:B (by weight)	80:20
Density (EN ISO 2811-1)	0,99kg/L (±0,05)
Adhesion strength (EN 13892-8)	≥2,5N/mm ²
Consumption: 120-150gr/m² for one layer (depending on the absorptivity of the substrate)	

Application conditions

Substrate moisture content	<4%
Relative air humidity (RH)	<80%
Application temperature (ambient - substrate)	+5°C min. / +35°C max.
<i>*Neodur® Fast Track PR may be applied in colder conditions, if required, as it dries even at low temperatures down to -10°C, without significant changes in the technical properties of the final surface. In such case, the times of workability and curing are significantly affected, depending on the prevailing atmospheric conditions.</i>	

Curing details

Pot life (RH 50%)	+12°C	25 minutes
	+25°C	20 minutes
	+30°C	10 minutes
Dry to recoat – Light foot traffic (RH 50%)	+12°C	4 hours
	+25°C	3 hours
	+30°C	3 hours
Full hardening (RH 50%)	+12°C	36 hours
	+25°C	24 hours
	+30°C	24 hours

**Low temperatures during application and/or curing prolong the above times, while high temperatures and humidity reduce them*

Instructions for use

Substrate preparation

The concrete must be min. Grade C20/25, with a tensile strength of ≥1,5MPa, and allowed to cure for at least 28 days, taking all the necessary maintenance measures during its curing period. The cementitious substrate must be properly prepared mechanically (e.g. grinding, shot blasting, milling etc.) to smooth out the irregularities, achieve an open-textured surface and ensure optimum adhesion.

The surface must be dry and protected from rising moisture, stable, clean and free of dust, grease, oil, etc. Loose friable material must be fully removed by brushing or sanding with a suitable machine and a high suction vacuum cleaner. The surface must be as smooth and flat as possible, as well as continuous (ie without voids, cracks etc.)

Application

The two components A & B are mixed in the predetermined ratio and stirred for app. 2-3 minutes with a low-speed electric stirrer, until the mixture becomes homogeneous. The mixture is then left in the container for a short period (~1 minute) and then poured entirely along the floor to be shortly applied, in order to avoid potential hardening of the mixture inside the container, due to the limited pot life. The application is done uniformly by short-pile roller or brush. The application rollers must have been previously dipped in the mixture, in order to avoid the possibility of inserting air due to the dry rollers. In cases of substrates with increased porosity, an additional priming layer may be required.

Special notes

- **Neodur® Fast Track PR** should not be applied under wet conditions, or if wet conditions or rainy weather are expected to prevail during the application or the curing period of the product
- The components should not have been stored at very low or very high temperatures, especially before mixing. Mixing and stirring of the mixture should be preferably done in the shade. The stirring of the mixture must be done mechanically and not manually with a rod, etc.
- Excessive stirring of the material should be avoided, in order to mitigate the risk of air entrapment. After stirring the mixture, it is recommended to apply the material shortly in order to avoid the development of high temperatures and potential hardening inside the can
- The substrate temperature must be at least 3°C above dew point to reduce the risk of condensation or blooming on the floor finish
- In case that an extended period of time (>24 hours) has passed between successive layers, it is recommended to lightly sand the surface of the previous layer, in order to avoid possible adhesion problems of the next layer
- The material may be diluted up to 3% with solvent **Neotex® PU 0413** when the temperature during application is high.

Appearance	Transparent, yellowish
Packing	Set (A+B) of 4kg in metal cans
Cleaning of tools – Stains removal	By Neotex® PU 0413 immediately after the application. In case of hardened stains, by mechanical means only.
Volatile organic compounds (V.O.C.)	V.O.C. limit acc. to the E.U. Directive 2004/42/CE for this product of category AhSB: 750g/l (Limit 1.1.2010) - V.O.C. content of the ready-to-use product <750g/l
UFI code	<i>Component A:</i> 2V30-10A8-P00E-MF00 <i>Component B:</i> DY30-J00N-Y00W-8SK2
Storage stability	<i>Component A:</i> 2 years, if kept in the original sealed packaging, protected from frost, humidity and exposure to solar radiation. <i>Component B:</i> 1 year, if kept in the original sealed packaging, protected from frost, humidity and exposure to solar radiation.

CE	
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<p>DoP No.: 4950-75</p> <p>EN 13813 SR-B2,0</p> <p>Neodur® Fast Track PR Synthetic resin primer</p>	
Release of corrosive substances	SR
Impact resistance	NPD
Bond strength	B2,0
Wear resistance	NPD
Reaction to fire	NPD

The information supplied in this datasheet, concerning the uses and the applications of the product, is based on the experience and knowledge of NEOTEX® SA. It is offered as a service to designers and contractors to help them find potential solutions. However, as a supplier, NEOTEX® SA does not control the actual use of the product and therefore cannot be held responsible for the results of its use. As a result of continual technical evolution, it is up to our clients to check with our technical department that this present data sheet has not been modified by a more recent edition.

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