

Neodur® Primer SF

Solvent-free, two-component, fast-drying hybrid polyurea- polyurethane primer

Description

Solvent-free, two-component, fast-drying hybrid polyurea – polyurethane primer. Dry to overcoat in 3 hours (+25°C)

Fields of application

- Floors which will be covered with the fast-curing aliphatic polyurea system **Neodur® Fast Track SF**, enabling the full installation of the flooring system in one day
- On floors which will be covered with epoxy or polyurethane coatings or systems (**Epoxol®**, **Neopox®**, **Neodur®**)
- Interior areas with insufficient ventilation, where solvent fumes are unwanted, e.g. underground parking garages

Properties - Advantages

- Fast-drying – Dry to overcoat in 3 hours (+25°C)
- Excellent adhesion on cementitious substrates
- Does not contain any volatile organic compounds (*Zero VOC*)
- Ideal for interior areas, due to the lack of solvent fumes



Appearance (cured)

Transparent, satin

Packing

Set (A+B) of 4kg

Technical characteristics

Mixing ratio A:B (by weight)	95:5
Density (EN ISO 2811-1)	1,14kg/L (±0,05)
Solid content by weight	~100%
Solid content by volume	~100%
Adhesion strength (EN 13892-8)	≥3N/mm ²
Consumption: 120-150gr/m² per 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.

Curing details

Pot life (+25°C, RH 50%)	20 minutes
Dry to recoat – Light foot traffic (+25°C, RH 50%)	3 hours
Full hardening (+25°C, RH 50%)	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 $\geq 1,5\text{MPa}$, 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 (~2-3 minutes) 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® Primer SF** 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
- **Neodur® Primer SF** should only be applied at a thin thickness. Avoid applying in a consumption higher than the indicated one.
- Not suitable to be mixed with aggregates for the creation of resin-mortars

Appearance (cured)	Transparent, satin
Packing	Set (A+B) of 4kg in metal cans
Cleaning of tools – Stains removal	By Neotex® 1021 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> U250-30YT-Y00C-V74W <i>Component B:</i> P550-M0P7-800U-HJQY
Storage stability	1 year, if kept in the original sealed packaging, protected from frost, humidity and exposure to solar radiation.

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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