

Neopox[®] Oil Primer

Oil-tolerant epoxy primer for concrete floors

Description

Specialized two-component epoxy primer, specially designed for concrete floors contaminated with oil residues

Fields of application

Cementitious floors with accumulated oils and grease, which are to be coated with resinous flooring protection systems (epoxy, polyurethane, polyaspartic, etc.) after initial cleaning with **Oil Cleaner**, such as in car service centers and repair garages, parking areas, production facilities, food and beverage industries, warehouses, etc..

Properties - Advantages

- Resistant to oils and chemicals rising from the substrate
- Presents excellent adhesion on cementitious substrates contaminated with oil residues
- Prevents oil migration into the final coating
- Ideal bridge of adhesion for resinous (epoxy, polyurethane, polyaspartic, etc.) flooring protection systems (self-leveling, coating systems, etc.)
- High-solids primer – Ideal for cementitious substrates of increased porosity
- Contains bio-based raw materials



Packing

Set (A+B) of 5kg

Technical characteristics

Mixing ratio A:B (by weight)	70:30
Density (EN ISO 2811-1)	1,05kg/L (±0,1)
Solids content by weight	~93%
Solids content by volume	~90%
Adhesion strength (EN 1542)	≥2,5N/mm ²
Consumption: 200-300gr/m² on cementitious substrate	

Application conditions

Substrate moisture content	<4%
Relative air humidity (RH)	<65%
Application temperature (ambient - substrate)	+8°C min. / +40°C max.

Curing details

Pot life (+25°C, RH 50%)	~30 minutes
Dry to recoat - overcoat (+25°C, RH 50%)	24 hours
Full hardening	~ 7 days
<i>* Low temperatures and high humidity during application and/or curing prolong the above times, while high temperatures reduce them</i>	

Instructions for use

Substrate preparation

Cementitious surfaces contaminated with oil should first be cleaned with the specialized floor cleaning agent **Oil Cleaner**, following the product's technical guidelines. After the necessary pressure washing to remove the residues from the cleaning process related to the use of **Oil Cleaner**, the surface must be allowed to dry completely. Before applying **Neopox® Oil Primer**, the substrate must be stable, dry, and free of extensive pollutants, dust, dirt, and loose materials. Cementitious substrates should be properly prepared mechanically in advance.

Application

The two components A & B are mixed in the predetermined ratio and mechanically stirred for app. 2-3 minutes with a low-speed stirrer, until the mixtures become homogeneous. The surface is then covered in one layer by roller, brush, or airless spray. In cases of increased substrate porosity, an additional priming layer may be required.

Special notes

- **Neopox® Oil Primer** should not be applied under wet conditions, or if wet conditions 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

- Due to the nature of the material, the direct and permanent exposure of the final coating to UV radiation may cause the phenomenon of chalking over time
- In case that an extended period of time (>36 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

Appearance	Coloured
Packing	Set (A+B) of 5kg 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 AjSB: 500g/l (Limit 1.1.2010) - V.O.C. content of the ready-to-use product <500g/l
UFI code	<i>Component A:</i> 6FS0-KODN-6001-K2P4 <i>Component B:</i> 6JS0-3031-G00H-8E8N
Storage stability	2 years, stored in the original sealed packing, 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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