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Neodur® Primer 1K

One-component, polyurethane fast-drying adhesion primer

 Description
 Neodur® Primer 1K is a one-component, polyurethane fast-drying adhesion primer, ideal for cementitious surfaces and asphalt substrates.

 Fields of application
 Prior to the application of resinous systems (Epoxol®, Neopox®, Neodur®) on substrates made of:

 Asphalt
 Cement
 Metal

 Properties - Advantages
 Excellent adhesion on numerous substrates

 Exhibits flexibility which makes it ideal for resinous flooring applications on asphalt substrates

 Fast-drying, enabling the application of both the primer and the first layer

of the coating / system in one day

Technical characteristics

Density (EN ISO 2811-1) 0,98kg/L (± 0,05 kg/L)

Adhesion strength (EN 1542) >2,5N/mm²

Consumption - 180-220ml/m² per layer on asphalt substrate

- 150-200ml/m² per layer on cementitious substrate

Easy to apply (one-component – cures with the ambient humidity)

- 125-140ml/m² per layer on metallic surfaces

Curing details

Drying time (+25°C, RH 50%) 1,5 hour

Dry to recoat - Walkability (+25°C, RH 50%) 4 hours

Total hardening (+25°C, RH 50%) 24 hours

Instructions for use

Surface preparation: The surface must be stable, clean, dry, protected from rising moisture and free from dust, oil, grease and loose materials.

Asphalt substrate: The substrate must be thoroughly prepared by high pressure water-jetting and allowed to dry completely.

Cementitious substrate: Even on new concrete surfaces, proper mechanical preparation of the substrate (grinding, shotblasting etc.) is necessary to smooth irregularities, open pores and create conditions for better adhesion.



^{*} Low temperatures and low humidity during application and/or curing prolong drying times





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Surfaces should be flat, smooth and continuous (i.e. without holes, cracks, etc.). Otherwise, they should be repaired with suitable repairing materials, such as **Epoxol® Putty**. For surface leveling, the epoxy-cementitious mortar **Epoxol® CM** is also recommended.

Application: **Neodur® Primer 1K** is applied on the surface by roller, brush or airless spray. If a time period of more than 24 hours elapses between successive coats, it is recommended to lightly grind the surface of the previous layer, in order to avoid possible adhesion problems of the next one.

Notes

- Application conditions: Substrate moisture content: <4%, Relative atmospheric humidity: <70%, Ambient and substrate temperature: +12°C min. / +35°C max.
- Neodur® Primer 1K is applied undiluted

Appearance	Transparent
	Glossy (when cured)
Cleaning of tools – Stains removal	Immediately after the application with solvent Neotex® 1021 . In case of hardened stains, by mechanical means
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 "Binding Primers": 750g/l (Limit 1.1.2010)
	V.O.C. content of the ready to use product <750g/l
UFI code	SSF0-90YP-K008-MT06
Packing	5L in metal cans
Versions	Neotex® PU Primer One-component, polyurethane fast-drying adhesion primer for the stabilization of old concrete surfaces, preventing dust generation
Storage stability	12 months, stored in its original sealed packing, protected from frost, humidity and exposure to sunlight. After the initial opening of the can, shelf life is significantly reduced, due to humidity absorption.

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.

