

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

Technical characteristics

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|-----------------------------|--|
| Density (EN ISO 2811-1) | 0,98kg/L (± 0,05 kg/L) |
| Adhesion strength (EN 1542) | >2,5N/mm ² |
| Consumption | - 180-220ml/m ² per layer on asphalt substrate - 150-200ml/m ² per layer on cementitious substrate - 125-140ml/m ² per layer on metallic surfaces |

Curing details

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|---|----------|
| 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 |

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

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.

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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.