

Neodur® Primer 1K

One-component, fast-drying polyurethane primer

Description

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

Fields of application

Prior to the application of resinous systems (**Epoxol®**, **Neopox®**, **Neodur®**) on surfaces of:

- Asphalt
- Cement
- Metal

Properties - Advantages

- Excellent adhesion on various 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)



Appearance

Transparent

Packing

5L

Technical characteristics

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

Application conditions

Substrate moisture content	<4%
Relative air humidity (RH)	<70%
Application temperature (ambient - substrate)	+12°C min. / +35°C max.

Curing details

Drying time (+25°C, RH 50%)	1,5 hours
Dry to recoat - overcoat (+25°C, RH 50%)	4 hours
Full hardening (+25°C, RH 50%)	24 hours

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

Instructions for use

Substrate preparation

The substrate must be stable, clean, dry & protected from rising moisture, as well as free of dust, oil, grease, dirt and any loose or poorly adhering material. Loose friable material must be completely removed by appropriate mechanical or chemical means.

Asphalt substrate

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

Cementitious surfaces

The cementitious substrate must be properly prepared mechanically (e.g. grinding, shot blasting, milling etc.) to smooth out the irregularities, achieve an open texture surface and ensure the optimum bonding.

The surfaces must be as smooth and flat as possible, as well as continuous (ie without voids, cracks etc.)

Otherwise, they should be repaired and leveled with suitable repairing materials.

Application

After thorough stirring, **Neodur® Primer 1K** is applied undiluted on the surface by roller, brush or airless spray. In case of increased substrate porosity, an additional priming layer may be required.

Special notes

- **Neodur® Primer 1K** 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 substrate temperature must be at least 3°C above dew point, in order to avoid condensation issues
- If a time period of more than 24 hours elapses 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 one



Appearance	Transparent
Packing	5L in metal cans
Cleaning of tools – Stains removal	By Neotex® 1021 or 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	SSF0-90YP-K008-MT06
Versions	Neotex® PU Joint Primer , one-component, polyurethane fast-drying primer for the stabilization of old floors, preventing dust generation
Storage stability	12 months, 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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