

Neotex® PU Primer

One-component, fast-drying polyurethane adhesion primer

Description

One-component, fast-drying polyurethane adhesion primer

Fields of application

- Adhesion improvement of sealants (e.g. **Neotex® PU Joint**) in construction joints
- Stabilization of old concrete floors, preventing dust generation
- As an adhesion primer of polyurethane and polyester systems



Properties - Advantages

- Excellent adhesion on various substrates
- Dries quickly – may be overcoated (e.g. by **Neotex® PU Joint**) within the same day
- High hardness and resistance to abrasion and chemicals (alkalis, dilute acids)
- Easy to apply (one-component – cures with the ambient humidity)

Packing

1L and 0,4L

Technical characteristics

Density (EN ISO 2811-1)	0,97kg/L (±0,05)
Adhesion strength (EN 1542)	≥2,5N/mm ²
Consumption: • 150-200ml/m² per layer on cementitious surface (depending on the absorptivity) • 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%)	24-28 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.

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 by suitable repairing materials.

Application

After thorough stirring, **Neotex® PU Primer** 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

- **Neotex® PU 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 substrate temperature must be at least 3°C 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
Appearance (cured)	Glossy
Packing	1L and 0,4L 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	KWA0-H0WT-T000-UES9
Versions	Neodur® Primer 1K , one-component, fast-drying polyurethane primer, ideal for cementitious surfaces and asphalt substrates
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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