Neodur® Varnish PR

One-component, hybrid water-based primer

Description

One-component, hybrid (aliphatic polyurethane-acrylic) water-based primer

Fields of application

- Decorative micro-cement coatings and cementitious substrates of floors and walls, that are to be covered with polyurethane varnishes **Neodur® Varnish**, **Neodur® Varnish Satine**, **Neodur® Varnish Mat** and **Neodur® Varnish W Mat**
- Sealing of porous surfaces and concrete floors to prevent dust generation

Properties - Advantages

- Protects against water absorption
- Maintains the natural appearance of the micro-cement coating, without significantly darkening its colour or creating a “wet surface” effect after the application of the varnishes
- Suitable also for exterior applications, with resistance to yellowing
- Very good mechanical and chemical resistance
- Eco-friendly & user-friendly (water-based, one-component)

Packing

10kg, 3kg and 1kg

Appearance

Transparent

Technical characteristics	
Density (EN ISO 2811-1)	1,02kg/L (±0,05)
Adhesion strength (EN 13892-8)	≥2N/mm²
Consumption: 100-120gr/m² per layer (depending on the absorptivity of the substrate)	

Application conditions	
Substrate moisture content	<4%
Relative air humidity (RH)	<70%
Application temperature (ambient - substrate)	+10°C min. / +35°C max.

Curing details	
Drying time (+25°C, RH 50%)	3 hours
Dry to recoat – overcoat (+25°C, RH 50%)	24 hours
Full hardening	~ 7 days
** Low temperatures and high humidity during application and/or curing prolong the above times, while high temperatures reduce them*	

Instructions for use

Substrate preparation

The surface must be stable, clean, dry, protected from rising moisture and free of dust, oil, grease and loose materials. Any poorly adhering materials and older coatings should be removed, and the surface should be thoroughly cleaned by proper mechanical or chemical means. Depending on the substrate, appropriate mechanical preparation may be required, in order to smooth out the irregularities, open the pores and create the optimum conditions for adhesion.

Application

Neodur® Varnish PR is applied in one layer, diluted 25-30% w/w with water, by roller, brush or airless spray.

Special notes

- **Neodur® Varnish PR** 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.
- It should not be applied on surfaces where water-repellent impregnation materials (e.g. siloxane-based) or waxes have been applied in the past.

Appearance (cured)	Transparent
Packing	10kg, 3kg and 1kg in plastic pails
Cleaning of tools – Stains removal	By water immediately after application. 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 AgWB "Primers": 30g/l (Limit 1.1.2010). V.O.C. content of the ready to use product <30g/l
UFI code	9S50-50H0-E009-5XTE
Storage stability	2 years, stored in its original sealed packing, protected from frost, humidity and exposure to sunlight

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