Neoproof® PU Primer

Hybrid water-based fast-drying micro-structured primer, based on acrylic and polyurethane resins

Description

Hybrid fast-drying water-based primer with a micro-molecular structure, based on acrylic and polyurethane resins.
Particularly suitable for use as a primer for water-based roof waterproofing coatings, for the formation of integrated waterproofing systems with strong adhesion to a wide range of substrates.

Packing

20kg, 5kg & 1kg

Fields of application

On roof surfaces intended to be coated with water-based roof waterproofing coatings (e.g. **Neoproof® PU W**, **Neoproof® PU Fast**, **Neoroof®**, etc.), applied over:

- Cementitious substrates such as concrete, cement screed or cement tiles
- Existing bitumen membranes with mineral slates
- New or old liquid waterproofing membranes

Also suitable for walls or facades, on substrates such as concrete, plaster, etc., prior to the application of water-based waterproofing coatings and paints.

Properties - Advantages

- Presents excellent adhesion on a wide variety of substrates (concrete, cement screed, mineral-surfaced bitumen membranes, on top of new or aged waterproofing coatings, etc.)
- Offers high penetration due to its micro-molecular structure
- Dries quickly (~1 hour) and may be overcoated soon afterwards (~2 hours)
- Ready to use - Easy to apply
- Provides stabilization and impermeability of old and new surfaces
- Suitable for exterior and interior use
- Low odour and minimal VOC content

Technical characteristics	
Density (EN ISO 2811-1)	1,02kg/L (±0,05)
VOC content	<1g/l
Adhesion strength (EN 1542)	≥2,5N/mm²
Consumption: • ~200gr/m² in one layer (cementitious substrate) • ~300gr/m² in one layer (mineral-surfaced bitumen membrane)	

Application conditions	
Substrate moisture content	<6%
Relative air humidity (RH)	<80%
Application temperature (ambient - substrate)	+5°C min. / +40°C max.

Curing details		
Drying time (RH 50%)	+23°C	~1 hour
Dry to recoat - overcoat (RH 50%)	+5°C	4 hours
	+23°C	2 hours
	+35°C	1 hour
** 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 mechanically or chemically. Depending on the substrate, appropriate mechanical preparation may be required, to smooth the irregularities, open the pores and create the optimum conditions for adhesion. The surfaces should be sufficiently flat, smooth, and continuous (i.e., without holes, cracks, bays, etc.). In the opposite case, they should be treated accordingly (e.g. by proper puttying).

Application

Neoproof® PU Primer is applied, after thorough stirring, uniformly on the surface by roller, brush or airless spray. In case of increased substrate porosity, an additional layer may be required.

Special notes

- **Neoproof® PU Primer** should not be applied under wet conditions, or if wet conditions or rainy weather 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 to reduce the risk of condensation or blooming on the surface finish
- In case that an extended period of time of more than 24 hours has passed 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 layer

Appearance	Milky white - Transparent when cured
Packing	20kg, 5kg & 1kg in plastic packing
Cleaning of tools – Stains removal	By water immediately after the application. In case of hardened stains, by mechanical means only.
Volatile organic compounds (V.O.C.)	Limit value of maximum VOC content acc. to the E.U. Directive 2004/42/CE for this product category A/j "Binders" (WB): 30g/l (Limit 1.1.2010) – Max. VOC content of the ready to use product: 29g/l
UFI code	CMS0-K0SE-T000-WRVX
Storage stability	2 years, stored in its original sealed packing, protected from frost, humidity and exposure to sunlight

HEADQUARTERS - PLANT
V. Moira str., Xiropigado
LOGISTICS SALES & CENTER
Loutsas str., Voro

P.O. Box 2315, GR 19600
Industrial Area Mandra
Athens, Greece
T. +30 210 5557579

NORTHERN GREECE BRANCH
Ionias str., GR 57009
Kalochori, Thessaloniki, Greece

www.neotex.gr ● export@neotex.gr