

Neoproof® PU360

Water-based polyurethane waterproofing coating, for non-exposed applications

Description of the product

Neoproof® PU360 is a water-based modified polyurethane elastomeric waterproofing coating ideal for non-exposed applications on horizontal or vertical construction surfaces before plastering, tiling or laying of cementitious screeds and mortars.

Applications

- Waterproofing of wet rooms (bathrooms, kitchens etc.), terraces, roofs, etc. under tiles or before the laying of cementitious screeds
- Ideal for any horizontal or vertical construction surface, such as dry-wall panels, before plastering or tiling.
- As a vapor barrier in roofs and walls before the installation of insulation or soundproofing panels.

Properties/Advantages

- Prevents moisture penetration, providing complete sealing
- Offers increased resistance to bending and stretching
- Dries quickly
- Bridges cracks.
- Environmentally friendly since it does not contain solvents or bitumen.
- Excellent bonding to all building substrates such as concrete, plaster, masonry, metal, wood
- Economical and easy to apply

Technical Characteristics

Density (EN ISO 2811-1:2011)	1,44 ± 0,05 kg/L
pH value (ISO 1148)	8-9
Hardness Shore A (EN ISO 868:2003/ASTM 2240)	70
Elongation at Break (@28 days, ASTM D412)	300% (±10%)
Tensile Strength (@28 days, ASTM D412)	2,76 MPa (±0,5MPa)
Drying time (25°C)	2-3 hours (initially)
Recoating time (25°C)	12 hours

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Absorption Coefficient (EN 1062-3:2008)	0,00 kg/m ² min ^{0,5}
Substrate humidity	<4%
Application temperature range	+8°C to +35°C
Service temperature	-5°C to +80°C
Degree of adhesion of modified mortar on the membrane	> 2N/mm ² after 14 days
Adhesion to concrete (EN 1542:2001)	> 2.5N/mm ²
Consumption	1-1,2 kg/m ² for two coats (cementitious surface)

Instruction for use

Surface preparation: The surfaces should be spoil and continuous (i.e. without holes, cracks, bays, etc.). Otherwise, firstly they should be prepared suitably (e.g. with puttying). Also, they should be clean, dry and exempted from dust, oils, greases and insubstantial objects. Before the application, for the filling of pores, the improvement of adhesion and for best coverage of the material, it is advisable to apply **Revinex®** diluted with water (at a ratio of 1:4) or **Vinyfix® Primer**.

Application:

Neoproof® PU360 is applied after good stir with paintbrush, brush or roller. The first layer has to be diluted with water, maximum up to 5%. However, it should be taken providence that the thickness of coating will not be excessive so that the time of drying is not extended excessively.

Neoproof® PU360 is usually applied in two at least layers with a different direction between them. After the drying of the first layer, the second one must be applied in 24 hours, undiluted.

After applying the final layer and while it is still fresh, it is advisable to broadcast quartz sand on top of **Neoproof® PU360** so as to promote the adhesion of the subsequent tile adhesive or plaster. After 24 hours, any loose grains should be removed with a high suction vacuum cleaner.

Special Notes

- The material should not be applied under conditions of humidity or when it is forecasted that humid weather will

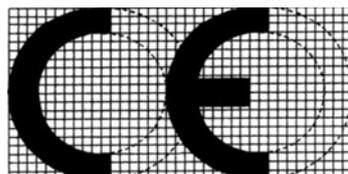
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prevail, before the membrane is dried completely.

- For higher requirements (e.g. jardinières) and in cases of cover of cracks above 1.5 mm **Neoproof[®] PU360** should be reinforced with the non-woven polyester fabric **Neotextile[®]**. In this case at least 3 layers of the material are required.
- It is recommended to use elastic tile adhesive (C2TE S1 type).

Colours	White
Packaging	13kg & 4kg in plastic pails
Tools cleaning	Use plenty of water immediately after application.
Stain removal	Use water when the stain is still fresh and damp. In case of hardened stains, use mechanical means or a paint remover.
Storage stability	The product is stable for 2 years when kept unopened in its original container, protected from frost and direct sunlight.

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EN 1504-2

Neoproof PU360

Surface protection system for concrete
Coating

Water vapour permeability	:	Class I
Capillary absorption and permeability to water	:	$W < 0,1 \text{ kg/m}^2 \text{ h}^{0,5}$
Adhesion strength	:	$\geq 1,5 \text{ N/mm}^2$
Permeability to CO ₂	:	$s_D > 50 \text{ m}$
Reaction to fire	:	Euroclass F
Dangerous substances	:	comply with 5.3