

Neoproof® 360W

**Water-based elastomeric waterproofing rubber coating,
for non-exposed applications**



Description

Water-based elastomeric waterproofing rubber coating, ideal for non-exposed applications on horizontal or vertical construction surfaces, prior to tiling, plastering, laying of cementitious screeds/mortars, installation of insulation panels etc.



Fields of application

- Horizontal or vertical construction surfaces before the application of ceramic tiles, roof tiles, cement screed or plaster, etc.
- Balconies and roofs, under thermal insulation panels
- Ideal for waterproofing of planter boxes

The surfaces require appropriate preparation and priming prior to the application of Neoproof® 360W.

Packing

12kg, 5kg & 1kg

Properties - Advantages

- Forms an impermeable to moisture membrane, with high mechanical strength
- Excellent adhesion on various construction surfaces
- Increased chemical resistance – highly resistant to alkalis
- High flexural and tensile strength
- Fast-drying and easy to apply
- Offers protection against underground radon
- Eco-friendly (does not contain solvents or bitumen) & user-friendly (water-based, one-component)

Colour

BEIGE

Certificates – Test reports

- CE certification acc. to EN 1504-2
Certificate of Conformity No. 1922-CPR-0386
- Test report by the external independent quality control laboratory Geoterra (No. 2020-190_25)
- Complies with the V.O.C. content requirements acc. to the E.U. Directive 2004/42/CE



Technical characteristics

Density (EN ISO 2811-1)	1,30kg/L (±0,1)
Elongation at break (ASTM D412)	270% (±30)
Tensile strength at break (ASTM D412)	3,5MPa (±0,3)
Adhesion strength (EN 1542)	>2,5N/mm ²
Hardness Shore A (ASTM D2240)	55
Liquid water permeability (EN 1062-3)	<0,1kg/m ² h ^{0,5}
Permeability to CO ₂ – Diffusion-equivalent air-layer thickness Sd (EN 1062-6)	>50m
Water vapour permeability – Diffusion-equivalent air-layer thickness Sd (EN ISO 7783)	<5m (Class I)
Consumption: 1kg/m² for two layers (cementitious surface)	

Application conditions

Substrate moisture content	<4%
Relative air humidity (RH)	<80%
Application temperature (ambient - substrate)	+8°C min. / +35°C max.

Curing details

Drying time (+25°C, RH 50%)	1 hour
Dry to recoat (+25°C, RH 50%)	>2 hours
Minimum waiting time before overcoating by tile adhesive (+25°C, RH 50%) (after broadcasting quartz on the final layer)	6 hours
Full hardening	~7 days
<i>* Low temperatures and high humidity during application and/or curing prolong the above times, while high temperatures reduce them</i>	

Appropriate primers on usual substrates

Substrate	Primer	Description - Details
Concrete, cement screed	Revinex® (diluted with water 1:4)	Water-based primer of high adhesion on cementitious substrates
	Silatex® Primer	Acrylic solvent-based primer, with high penetrating ability
	Vinyfix® Primer	Solvent-based primer based on vinyl resins, ideal for stabilizing brittle substrates
Metal	Neotex® Metal Primer	Water-based, one-component anti-corrosive primer, with excellent adhesion on old or new metal surfaces
Inox, galvanized steel, aluminium	Neotex® Inox Primer	One-component water-based primer, with high adhesion strength on glossy non-porous substrates

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 have the appropriate slopes and they 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).

Priming

Prior to the application of **Neoproof® 360W**, the proper **NEOTEX®** primer should be applied, depending on the substrate (see table). In the case of cementitious substrates, it is proposed to apply **Revinex®** diluted with water in a ratio **Revinex®**: water - 1:4 or the solvent-based primers **Silatex® Primer** or **Vinyfix® Primer**.

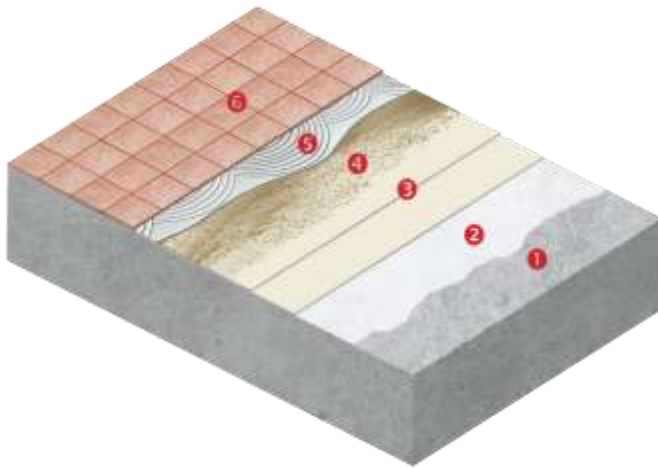
Application

Following the priming of the surface, **Neoproof® 360W** is applied, after thorough stirring, in at least two layers by roller, brush or airless spray. The first layer is diluted 5% with clean water, while the second layer (and every subsequent one) follows after at least 2 hours, and before 24 hours, have passed (depending on prevailing atmospheric conditions), applied undiluted. Every layer of **Neoproof® 360W** should be applied in a vertical or different direction than the previous one.

Along the intersections of vertical and horizontal elements (as well as in all other corners), in construction details (such as around and inside drains), along the joints, as well as when covering cracks, it is advisable that **Neoproof® 360W** is locally applied in advance, reinforced with the specially designed non-woven polyester fabric **Neotextile®** of 50gr/m² weight ("wet-on-wet" application of two layers with the fabric positioned in between).

In cases of projects with higher demand in terms of mechanical resistance and crack bridging, e.g. in planter boxes, it is recommended that **Neoproof® 360W** is thoroughly reinforced with the non-woven polyester fabric **Neotextile®** in the whole application surface.

Indicative system build-up



WATERPROOFING UNDER TILES

- 1 Cementitious substrate
- 2 *Primer: Revinex*® diluted with water (mixing ratio 1:4)
- 3 *Waterproofing layers: Neoproof*® 360W (min. 2 layers)
- 4 Quartz sand (broadcast)
- 5 Elastic tile adhesive
- 6 Tiles


Consumption of Neoproof® 360W: 1kg/m² for two layers

Special notes

- **Neoproof**® 360W 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.
- Substrate temperature during application and curing must be at least 3°C above dew point to avoid condensation issues.
- In cases of application under tiles, prior to plastering etc., it is recommended to broadcast quartz sand during the application of the final layer of the product, while it is still fresh, in order to enhance the adhesion of the subsequent layer of the tile adhesive, plaster, etc.. After the hardening of **Neoproof**® 360W, any loose grains should be removed with a high suction vacuum cleaner. It is advisable to use an elastic tile adhesive (indicative proposed type C2TE S1).
- The durability of the waterproofing system is enhanced by the increase of the total dry film thickness, which may be achieved through the application of an additional layer or layers.
- In case of new cement screed and soon after its laying, it is recommended to create suitable joints (per 15-20m² of surface area and at a depth approximately equal to $\frac{3}{4}$ of the thickness of the cement screed), which shall then be properly sealed (eg with closed-cell PE foam cord and **Neotex**® PU Joint after proper priming of their sides). It is also necessary to create expansion joints around the perimeter, as above, and with a minimum width of 1cm. Any existing joints of the concrete slab should be transferred to the new substrate.



Appearance	Viscous liquid
Colours	Beige
Packing	12kg, 5kg & 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 AcWB: 40g/l (Limit 1.1.2010) - V.O.C. content of the ready-to-use product <40g/l
UFI code	6H80-C0KQ-7004-AVFG
Storage stability	2 years, stored in its original sealed packing, protected from frost, humidity and exposure to sunlight

 1922	
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1922-CPR-0386 DoP No.: 4950-66 EN 1504-2 Neoproof® 360W Surface protection products Coating	
Water vapour permeability	Class I
Adhesion strength	≥1,5N/mm ²
Capillary absorption and permeability to water	W<0,1Kg/m ² h ^{0.5}
Permeability to CO ₂	S _D >50m
Reaction to fire	Euroclass F
Dangerous substances	Complies with 5.3

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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