Revinex® Elastic

Elastomeric, silane-modified waterproofing coating for vertical exterior surfaces

CE

Description

Elastomeric, silane-modified waterproofing coating for vertical exterior surfaces. Offers excellent protection against moisture, providing a tack-free mat surface, while it also presents very high adhesion due to the silanes it contains.

Packing

10L, 3L & 1L

Colour

RAL 9003

**Also available in D & TR bases*

Fields of application

External walls and facades of new or existing buildings, on substrates such as concrete, plaster, bricks, cement boards, etc.

*The above surfaces require appropriate preparation and priming prior to the application of **Revinex® Elastic**.*

Properties - Advantages

- Contains silanes (special additives), which provide excellent adhesion properties on various construction surfaces
- Provides a tack-free, mat surface, even at very high temperatures
- Covers capillary cracks, offering excellent protection against moisture
- Withstands salts, ideal solution for seaside areas
- Long-term resistance to UV radiation and adverse weather conditions
- Broad service temperature range from -35°C up to +80°C
- Water vapour permeable, allowing the surface to “breathe”
- Eco-friendly & user-friendly (water-based, one-component)

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. 2018/326)
- Complies with the V.O.C. content requirements acc. to the E.U. Directive 2004/42/CE

Technical characteristics	
Density (EN ISO 2811-1)	1,40kg/L (±0,1)
Gloss (60°)	5
Adhesion strength (EN 1542)	>2,5N/mm²
Hardness Shore A (ASTM D2240)	65
Liquid water permeability (EN 1062-3)	<0,1kg/m²h^{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)	0,4m (Class I – permeable)
Accelerated UV ageing in the presence of moisture (UVB-313, 4h UV @60°C + 4h condensation @50°C, ASTM G154)	Pass (>1000 hours)
Service temperature	-35°C min. / +80°C max.
Coverage: 10m²/L per layer	

Application conditions	
Substrate moisture content	<6%
Relative air humidity (RH)	<70%
Application temperature (ambient - substrate)	+12°C min. / +40°C max.

Curing details	
Drying time (+25°C, RH 50%)	2-3 hours (initially)
Dry to recoat (+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*	

Appropriate primers on usual substrates

Substrate	Primer	Description - Details
Concrete, plaster	**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

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).

Priming

Prior to the application of **Revinex® Elastic**, the proper **NEOTEX®** primer should be applied, depending on the substrate. 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, **Revinex® Elastic** 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 app. 24 hours, applied undiluted.

Special notes

- **Revinex® Elastic** 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
- Under conditions with no sunshine, the curing of the membrane takes more time and the surface remains tacky for longer time periods
- Recommended only for applications on exterior surfaces exposed to UV radiation (not in interior/contained spaces). Not intended for application on surfaces that are not exposed to UV.

Appearance	Viscous liquid
Colours	White RAL 9003 - Available in other shades upon request Also available in D, TR bases offering versatility for the creation of the requested shade
Packing	10L, 3L and 1L 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	VHC0-20RK-X00F-GTUR
Versions	**Revinex® Roof**, silane-modified, elastomeric waterproofing coating for roofs, with exceptional adhesion properties and water uptake resistance
Storage stability	2 years, stored in its original sealed packing, protected from frost, humidity and exposure to sunlight

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1922-CPR-0386

DoP No.: 4950-34

EN 1504-2

Revinex® Elastic

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

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