

Silatex[®] Reflect

Pure acrylic elastomeric waterproofing coating of high reflectance

Properties/Advantages

- Reflects solar radiation and significantly reduces the energy expenditure during the summer period. Due to its high reflectance, it reduces the temperature of the exterior surface exposed to the sun
- Offers cool conditions at summer and reduces the energy consumption for the air conditioning
- Environmentally friendly, contributes to the decrease of the Urban Heat Island Effect and the generations of CO₂ emissions
- Certified of its reflective properties
- High coverage
- Vapour permeable
- Interacts with UV and solar radiation, providing a tack-free surface, even at very high temperatures. As a result, it retains its reflective properties and the white shade for a long period of time.
- Covers capillary cracks and completely protects from moisture.
- Resistant at temperatures up to -40°C
- Maintains its elasticity and offers waterproofing for many years
- Withstands salts. Suitable for seaside areas.

Technical Characteristics

Appearance	Viscous liquid
Density	1,36 ±0,02gr/cm ³
Consumption	10-11m ² /L in one layer
Touch dry	3 hours at +25°C
Recoating	24 hours at +25°C
<i>(Low temperatures and humidity during application prolong the setting time, while high temperatures bring it down)</i>	
Elongation at break	250%
Reflectance (SR %)	91% (400nm-700nm) *
Total Reflectance (SR%)	88% (300-2400nm) *
Solar Reflectance Index (SRI)	111 (ASTM E1980-01)
Total Emittance	0,86 (ASTM E408-71)
Service temperature	From - 40°C to +80°C

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 in order 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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* (ASTM E 903-96),

(ASTM G159-98)

- CRES - Laboratory for Energy Tests

- University of Athens

Instructions for use

Surface Preparation: Surfaces must be dry, clean from dust, dirt, greasy substances. Before the application, for stabilizing the surface, sealing all pores, enhancement of the adhesion and the materials' coverage, apply 1 coating of **Revinex[®]** diluted with water (**Revinex[®]**: Water-1:3) or **Silatex[®] Primer** diluted 30% with solvent **Neotex[®] 1111**.

Application: **Silatex[®] Reflect** is applied after thorough stirring, in at least 2 coatings. Apply it with brush or roller. The first coating is diluted with water (5%). The second is applied after 24 hours, undiluted.

Notes

- **Silatex[®] Reflect** must not be applied with humid weather, or if rain or humidity are forecasted for the next 48 hours
- Application conditions: Relative moisture of the surface < 6%, Relative atmosphere moisture <70%. The application should take place under temperature between +12°C and +40°C.
- The final properties are obtained 7 days after its application
- When sunshine is not due, the film's polymerization will delay and the surface will show tackiness for greater periods of time
- It is necessary to be exposed to UV rays and cannot be applied to surfaces not subdued to sunlight. It is only applied on exterior surfaces (not contained spaces)

Packing

Plastic pails of 1L, 3L and 10L

Colour

White

Cleaning of tools

With water, immediately after application

Stain removal

While still wet, remove with water. If it is hardened use mechanical means or paint remover.

Storage stability

2 years in its original sealed container, protected from frost and sunlight.

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Silatex[®] Reflect

Surface protection products

Coating

Water vapour permeability	Class I
Adhesion strength	$\geq 1,5\text{N/mm}^2$
Capillary absorption and permeability to water	$W < 0,1\text{Kg/m}^2\text{h}^{0.5}$
Permeability to CO ₂	$S_D > 50\text{m}$
Reaction to fire	Euroclass F
Dangerous substances	Comply with 5.3