

## Silatex<sup>®</sup> Reflect

### Reflective, elastomeric waterproofing coating

#### 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
- Combined with **Neotherm<sup>®</sup>**, it prevents the cooling of the surfaces and the development of mould on the interior walls, especially on northern walls
- 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 CO<sub>2</sub> emissions
- 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

#### Technical Characteristics

Appearance	Viscous liquid
Density	1,36gr/cm <sup>3</sup>
Consumption	10-11m <sup>2</sup> /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

\* (ASTM E 903-96),

The information supplied in this datasheet, concerning the uses and the applications of the product, is based on the experience and knowledge of NEOTEX<sup>®</sup> SA .It is offered as a service to designers and contractors in order to help them find potential solutions. However, as a supplier, NEOTEX<sup>®</sup> 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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## Silatex<sup>®</sup> Reflect

(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<sup>®</sup>** diluted with water (**Revinex<sup>®</sup>**:Water-1:3) or **Silatex<sup>®</sup> Primer** diluted 30% with solvent **Neotex<sup>®</sup> 1111**.

Application: **Silatex<sup>®</sup> 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<sup>®</sup> 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

Bucket 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.