

Neotex® Silimper

Siloxane-based water-repellent

Description

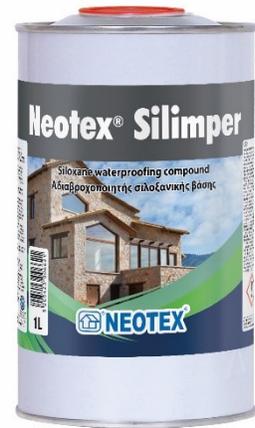
Siloxane-based water-repellent of high penetrating ability for the protection of exterior construction surfaces

Fields of application

Vertical (or inclined) mineral porous surfaces, such as concrete, cement mortars, plaster, bricks, roof tiles, joint grout, natural stone with continuous surface (i.e. without cracks)

Properties - Advantages

- Exhibits high penetration, protecting from humidity and minimizing the water uptake
- Prevents rain from impregnating the surface and protects it from cracking due to frost
- Displays early water repellence
- Facilitates the cleaning of the surface by limiting dirt pick-up & fungal growth
- Presents high resistance to alkalis and prevents efflorescence
- Presents excellent resistance to UV radiation
- Water vapour permeable, allowing the structure to “breathe”



Appearance (cured)

Transparent

Packing

20L, 5L and 1L

Technical characteristics

Density (EN ISO 2811-1)	0,80kg/L (±0,05)
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Consumption: 200ml/m² per layer

(depending on the application method and the absorptivity of the substrate)

Application conditions

Substrate moisture content	<4%
Relative air humidity (RH)	<65%
Application temperature (ambient - substrate)	+5°C min. / +35°C max.

Curing details

Drying time (+25°C, RH 50%)	2-3 hours
Dry to recoat (+25°C, RH 50%)	4 hours
<i>* Low temperatures and high humidity during application and/or curing prolong the above times, while high temperatures reduce them</i>	

Instructions for use

Substrate preparation

The surfaces must be stable and continuous (without cracks), clean, dry, protected from rising moisture and free of dust, oil, grease, mould and loose materials. Cleaning must be done by mechanical means or by water jetting. It is not recommended to use detergents, as they may affect the material's performance.

Application

Neotex® Silimper is ready to use. After thorough stirring, **Neotex® Silimper** is applied onto the dry surface in two layers by roller, brush or spray, until full impregnation. The application is done starting from the highest parts of the surface and ending at the lowest parts. The application surface must remain dry for at least 24 hours after the application.

Special notes

- **Neotex® Silimper** should not be applied under wet conditions, or if wet conditions or rainy weather are expected to prevail during the curing period of the product
- If needed, depending on the substrate, **Neotex® Silimper** may be diluted up to 10% with solvent **Neotex® 1111**
- If the substrate has been cleaned by water jetting, **Neotex® Silimper** should be applied after the surface has dried completely (it is recommended to wait a period of 2-3 days)
- In case of new concrete, **Neotex® Silimper** must be applied after at least 4 weeks have passed since its laying
- **Neotex® Silimper** attains its water-repellent properties in full within a few hours after application, once the surface has been saturated by the material.
- It should not be applied on surfaces that are subjected to hydrostatic pressures

Appearance (cured)	Transparent
Packing	20L, 5L and 1L in metal cans
Cleaning of tools – Stains removal	By Neotex® 1111 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 AhSB: 750g/l (Limit 1.1.2010) - V.O.C. content of the ready-to-use product <750g/l
UFI code	F0C0-10M7-300G-HSCC



Versions	Silimper® Nano , silane-siloxane, water-based nano-molecular water-repellent impregnation compound Silimper® Nano LM , water & oil repellent, water-based fluorinated nano-molecular impregnation compound
Storage stability	18 months, stored in its original sealed packing, protected from frost, humidity and exposure to sunlight

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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