

Silimper[®] Inject

Water-repellent injection cream

Description	Impregnation system, based on silane and siloxane resins. Protects against existing rising moisture and prevents future ones. It is injected into holes drilled into the walls and spreads in depth, in the areas around the drill holes, forming a seamless water-repellent barrier.
Fields of application	Repels water and prevents the expansion of moisture in most types of walls, made out of materials such as: <ul style="list-style-type: none">• Bricks• Concrete• Plaster• Limestone• Mortars• Natural stone
Properties - Advantages	<ul style="list-style-type: none">• Protects masonry walls and facades against rising moisture, efflorescence and pollutants• Easy and simple to apply, without dripping and staining• No special pump is required in order to fill the holes• One-component product, ready to use• Exceptional ability of penetration in depth, easily spreading inside the walls• Offers protection against frost• Resistant to alkali• Long pot life• Leaves no residue, may only cause a minor discoloration of the surface• It may be applied without loss of material, in a single application - no waiting times are required for pumping the material (in contrast to pressure injection systems) and no refilling (in contrast to gravity-fed injection systems)• Non-caustic, non-flammable, no VOC

Technical Characteristics

Appearance	Milky white, pasteous
Density (+20 °C)	0,92 gr/cm ³
V.O.C. content	V.O.C.-free



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Consumption

Table of indicative
required quantity in ml

	Wall thickness			
	110mm	150mm	220mm	330mm
Per drill hole	9	13,5	21,5	33,9
Wall length 1m	84	126	200	316
Wall length 10m	762	1.143	1.811	2.859
Wall length 20m	1.516	2.273	3.600	5.684
Wall length 30m	2.269	3.403	5.389	8.509
Wall length 40m	3.022	4.533	7.178	11.334

The above calculations refer to a distance of 12cm between the drill holes and depth of drilling that is 3cm less than the overall wall thickness. The diameter of each hole is $d=12\text{mm}$.

Due to the different nature of the walls, there may be significant fluctuations in material consumption and it is recommended that at least 10% of additional material is calculated when estimating the required quantity

Instructions for use

Surface Preparation: Surfaces must be clean, dry and free from dust, oils, grease, dirt and loose materials. Holes of 12mm in diameter should be drilled at a height of app. 15-20cm above the floor and the distance between the drill holes should be 10-12cm. The drilling depth should be 2-3cm less than the wall thickness. Once the holes are opened, a compressed dry air blower should be used in order to clean the area inside them and remove any traces of dust and debris from other materials, if any.

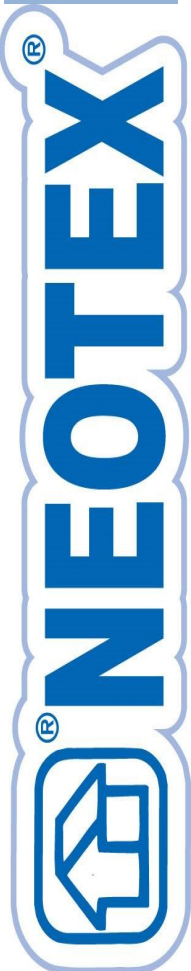
Application: The delivery tube is inserted to the entire depth of the pre-drilled hole. The sausage is placed in a mechanical or manual gun and the material is pressed into the hole.

In case of cavity walls, it is recommended that each side of the wall is treated separately.

If the wall is made of stone, it is recommended that the holes are drilled on the joint mortar, in a way that all the holes are app. at the same height. In the case of porous stone, the drilling may be done directly on the stone. Depending on the nature of the stone, holes may be required on both sides of the wall or more holes overall may be required.

The active ingredient penetrates into the substrate, within a time period from 30 minutes up to several hours, depending on the porosity of the substrate. The milky white cream disappears without leaving any residue.

The holes should then be repaired using appropriate repairing mortars e.g. **Neorep[®]**, **Neocret[®]**.



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Special Notes - Limitations

- *Application conditions:* Ambient temperature +5°C min. / +35°C max.
- **Silimper[®] Inject** is not suitable for applications of surface impregnation
- The use of the product is effective as long as the moisture levels inside the walls do not exceed 80%
- **Silimper[®] Inject** has very high concentration and it is used in a concentrated form without any dilution with water or solvents
- On dark stone surfaces, **Silimper[®] Inject** may cause some slight discoloration.

Packing 600ml in sausages

Cleaning of tools Immediately after the application with water

Storage stability 1 year, if stored in its original sealed packing, protected from frost, moisture and sunlight. Storage temperatures between +5 and +25°C should be ensured.

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.