

Injection gel based on silanes and siloxanes, for treatment of walls against rising damp

Application

- For the injection of walls against rising damp
- Is pumped, by means of a simple system, into holes drilled in the foot of the wall

Properties

- Solvent-free.
- Easy to use.
- Environmentally sound.
- Efficient and fast application.
- Permanent, effective protection.
- The product is sublimated into the capillaries of silicate building material – in other words, it changes from the gel phase to a vapour phase.
- The active ingredient thus spreads out evenly throughout the capillary system of the building material, whether wet or dry, and forms a waterproof damp-proof course at the foot of the wall to prevent rising damp by capillarity.

Directions

Preparation

- Remove skirting boards and damp render.
- Drill at 10 up to 12 cm centres at a height of between 5 cm above the highest ground level, on either the inside or the outside surface of the wall.
- The depth of the borehole is the wall thickness diminished with +/- 2 cm.
- Wall thickness to comply with the minimum required product consumption
 - o Wall thickness until 30 cm Diameter drill 14 mm
 - o Wall thickness from 30 until 80 cm Diameter drill 13 mm
 - o Wall thickness >80 cm Please contact us
- In case of solid brick masonry, solid concrete blocks or silicate stone, drill the holes as close as possible to ground level in the brick or in the mortar course.
- In case of hollow masonry (such as Poroton, precast concrete blocks, etc.), drill the holes at the top in the horizontal mortar course nearest to ground level.
- In case of natural stone masonry, drill the holes in the mortar course nearest to ground level.
- Vertical stop: Drill holes at a height of approximately 1,5 metres in the vertical mortar course between the wet walls that are to be treated and the dry walls that do not need to be treated.
- Clean out the boreholes with a vacuum cleaner or compressed air.

Work method

- **Secaugel 90** is applied with a adapted caulking gun with injection needle.
 - o Place the sausage into the caulking gun. Screw off the cap of the sausage.
 - o Close the caulking gun.
 - o The injection needle has to be put completely into the depth of the borehole.
 - o Following **Secaugel 90** has to be pumped through the injection needle into the borehole. The injection needle will be pulled backwards during pumping while the borehole is being filled.
 - o Once the borehole has been filled, seal the boreholes with a cement mortar or a quick-setting cement (Redivit).

Important remarks

- **SALTS:** Before starting to work, check the wall to be treated for any undesirable salts such as nitrates, sulphates, chlorides, etc. Effective salt treatment can then be carried out following the rising damp treatment. Injecting the product to prevent rising damp stops the salts from travelling further, but will not prevent damage by any salts already present. Excessive sulphate and carbonate bloom can cause peeling of top coats. Hygroscopic salts such as chlorides and, especially, nitrates typically draw moisture from the air so that the surface of the masonry remains damp, even after rising damp is effectively treated. If salts are found, the walls can be given a radical treatment with our Membrasec or with our Membrascreen following the method described in the instructions for use supplied with the product.
- The waterproof barrier is created when the product has fully polymerised. It can take 6 to 12 months for the wall to dry out completely. The drying time will depend on the wall type and thickness and the initial moisture content.
- In practice, the life of the system is unlimited. According to research undertaken into rising damp treatment methods for masonry and a Technical Information Sheet 252 published by the CSTC (Construction Industry Scientific and Technical Centre), our method is considered the most flexible and the most versatile system. It is hardly destructive and it can be used to treat almost any kind of masonry.
- Do not apply when the temperature is less than 5°C. This refers to the ambient temperature as for the surface temperature on which the product will be applied.

Technical characteristics

Product classification	silane – siloxane mixture
Active ingredient content	>85%
Appearance	thixotropic gel
Specific gravity	0,90
Flashpoint	>60°C
Thinner	water
Colour	white during application clear after polymerisation
pH	8,0 +/- 0,5

Reports

- CSTC report DE REN-0026 N
 - 40% moisture class A+
 - 60% moisture class A+
 - 80% moisture class A+

Quantity to use

+/- 0,12 ltr/running meter/10 cm wall thickness

Informative average consumption

10 cm	0,12 ltr/running meter	60 cm	0,74 ltr/running meter
20 cm	0,28 ltr/running meter	70 cm	0,87 ltr/running meter
30 cm	0,36 ltr/running meter	80 cm	1,01 ltr/running meter
40 cm	0,49 ltr/running meter	90 cm	1,14 ltr/running meter
50 cm	0,61 ltr/running meter	100 cm	1,27 ltr/running meter

Packaging

Alu-sausage with screw cap, content 550 ml

Bucket of 5 ltr

Safety information – Transport – Handling and storage - Waste

Consult the most recent and product-related safety information sheet from Rewah in compliance with the (EU) 453/2010 annex II/A guidelines. The information on the abovementioned safety information sheet has been drawn up with the greatest care and is based on the knowledge available at the date of issue. We accept no liability for damage or hindrance of any kind which could be caused by the use of the product concerned.

Transport and storage

Transport and store away from frost. Protect the product and its packaging against direct sunlight. Avoid storage at temperatures >30°C.

Storage life

9 months after manufacturing in the original closed packaging.

Considerations

The data included in this sheet, the application advices and other recommendations are based on extensive research and experience. They are however not binding also in relation to third party liability. They do not protect the customer against checking the products and directions for their suitability for the purpose. The characteristics and properties described are average values and analyses registered at 20°C, variances are tolerated. Our customer service will gladly answer your questions. The rewrite of this sheet replaces all previous sheets.