

# CR 82

## INJECTION CREAM

**Solvent-free silane-based injection cream against rising wall moisture**



### CHARACTERISTICS

- ▶ Prevents capillary rise of moisture in the walls
- ▶ Easy application
- ▶ Ready to use
- ▶ Solvent free
- ▶ Suitable for high moisture content
- ▶ Suitable for injection of walls with voids and cracks
- ▶ Economical

### SCOPE OF USE

For sealing existing brickwork against capillary rise of moisture. CR 82 can be injected with pressure-less method via drilled holes using standard equipment. It diffuses in a damp wall and creates horizontal waterproofing barrier in the walls, even the ones with voids and cracks. To be used during sealing and renovation work of the external and internal walls, in plinths area, foundations or basements walls. Especially recommended for walls with a heterogeneous structure - containing voids and cracks.

### SUBSTRATE PREPARATION

Before start of repair work, preliminary examinations are necessary to ensure the desired result. Particularly important are the extent of moisture penetration in the existing structure and the presence of deleterious salts, wall type and thickness as well as existing ground water conditions. As a rule, brickwork can only be durably sealed against moisture if supporting measures are taken.

Before or after drilling the bore holes, chip off the damaged render for a minimum of 80 cm beyond the visible damp and salt area. Chemical injection is not suitable for gypseous brickwork. Therefore, gypseous mortar or render must be completely removed. If necessary, clean the brickwork mechanically.

Pressure-less injection is particularly suited for slightly damp or damp brickwork. Drill holes for the injection creme approximately 3 cm less than wall thickness with a diameter of 12-18 mm, an average of approx. 8-12 cm apart, at the ground level (external application) and floor level (internal application). Drill holes in one or two rows. In the latter case, 10 cm apart from each other and rows stagger by half the distance between the holes. Position the holes so that at least



CERESIT C\_CR82\_TDS\_1\_0923

one course joint is penetrated. Drill holes horizontally. Use an electropneumatic drill or a core drill with as little vibration as possible. Blow or vacuum drilled dust out of the holes completely. No special steps to pre-seal surface around injection holes is needed.

### APPLICATION

Use suitable standard device and inject ready to use creme CR 82. The spray lance or the end of the tube should be place at the bottom of the hole and then apply the cream evenly while pulling the lance out of the hole. Correctly applied cream must completely fill the hole. Every single hole must be filled in one pass. After the creme is absorbed, all openings should be plugged flush with wall surface using appropriate mortar Ceresit CR 61 renovation render.

In most cases, after producing the horizontal damp course, replace the chipped off render by applying a layer of relevant renovation render e.g. Ceresit 62 with recommended thickness. Apart from horizontal waterproofing done with injection creme use, the external cellar wall sealing must be renewed or repaired where necessary. Any structural defects

must be rectified during the overall repair work. If possible, install drainage system to ensure rapid run-off water.

## PLEASE NOTE

The hole diameters and the distance between the holes may vary, as they depend on the construction material's absorbency. This makes it possible to take account of the various types of masonry (such as solid brickwork and cavity walls). Do not mix with other materials.

Use only at temperatures of +5°C to +35°C.

Injection work should be carried out if expected substrate temperature will not drop below 0°C for next 48 hours coming after application to ensure proper diffusion of the material. Please do not interrupt the injection during filling hole. CR 82 is not a surface impregnation agent and can not be used as such. In case white efflorescence appears on the surface at injection holes, they could be cleared with wire brush. Please refer in particular to the information sheet "Brickwork injection against capillary rise of moisture" issued by the WTA (Scientific-Technical Working Group for the Maintenance and Restoration of Historical Buildings).

Paste consistency makes application very easy with no extra skills required. Application almost no loss of material, with predictable consumption compared to injection fluids.

Consumption of material given below is for single row per meter. No special pumping devices are required.

Clean tools directly after work is done.

When carrying out injection works, an injection log should be kept. Such a document should contain information on the date of completion of the works, numbering of the injection holes, the method of injection and the amount of cream applied to each injection hole.

Apart from the information given here it is also important to observe the relevant guidelines and regulations of various organizations and trade associations as well as the respective standards of the German Standards Institute (DIN). The aforementioned characteristics are based on practical experience and applied testing. Warranted properties and possible uses which go beyond those warranted in this information sheet require our written confirmation. All data given was obtained at an ambient and material temperature of +20 °C and 65% relative air humidity unless specified otherwise. Please note that under other climatic conditions hardening can be accelerated or delayed.

The information contained herein, particularly recommendations for the handling and use of our products, is based on our professional experience. As materials and conditions may vary with each intended application, and thus are beyond our sphere of influence, we strongly recommend that in each case sufficient tests are conducted to check the suitability of our products for their intended use. Legal liability cannot be accepted on the basis of the contents of this data sheet or any verbal advice given, unless there is a case of wilful misconduct or gross negligence on our part. This technical data sheet supersedes all previous editions relevant to this product.

## STORAGE

Shelf life up to 12 months. Store in a dry and cool place. Protect against direct sunlight. Protect against frost. Store in well-ventilated places in original undamaged packaging. After opening use as fast as possible.

## DISPOSAL

The packaging must be completely emptied (dry without loose residues, without sediments). Packaging must be delivered for reuse or recycling in accordance with applicable local regulations/ national recommendations. Packaging that cannot be cleaned is subject to the same disposal as the material contained in it.

## PACKAGING

10 l plastic bucket.

## TECHNICAL DATA

Base:	silane based creme
Active substances:	approx. 80% by weight
Color:	white to yellowish
Density:	0,9 g/cm <sup>3</sup>
Flash point:	64°C acc. ISO 3679
Ready to cover:	when absorbed by substrate
VOC content:	declaration of the manufacturer
Consumption:	depends on the thickness, condition and type of substrate material, the spacing and diameter of the holes.

Exemplary consumption per 1 running meter of wall is:

- approx. 300 ml - wall thickness 30 cm, hole diameter Ø 12 mm
- approx. 450 ml - wall thickness 45 cm, hole diameter Ø 12 mm
- approx. 600 ml - wall thickness 60 cm; hole diameter Ø 12 mm

For professional users. Protect skin and eyes. Hazard notes/Safety advices/ Dangerous goods classification/waste disposal advices: See Material Safety Data Sheet on [mymstds.henkel.com](http://mymstds.henkel.com)



**Henkel CEE**  
Erdbergstrasse 29  
1030 Vienna  
[www.ceresit.com](http://www.ceresit.com)

Quality for Professionals