



Technical Data Sheet  
Art. No. 0727

## Kiesol C



Solvent-free, special cream on a silane base  
Horizontal barrier against rising masonry damp



Water based



For use indoors  
and outdoors



Sealing  
compound gun /  
injection hose /  
Desoi piston  
pump EP-60



Application rate  
depends on  
application



Shelf-life



Shelf-life



Store frost-free  
and cool  
protected from/  
moisture in  
closed containers



### Range of use

Kiesol C is used as an injection agent to remedy rising damp in building masonry work. The cream is brought into the masonry work or mortar joints through horizontal boreholes under gravity. Kiesol C can also be used when the degree of moisture saturation is high. It is especially suitable for fair-faced masonry surfaces (brick, natural stone). It is not suitable for aerated concrete.

### Property profile

Kiesol C is an aqueous, solvent-free injection cream with an active ingredient content of 80 %.

- Ready to use
- Silane based, solvent-free
- Very high yielding, low application rate
- Optimised for application under gravity
- Easy, fast and reliable
- Suitable for a high degree of moisture saturation
- Application rates can be easily calculated

### Characteristic data of the product

#### Characteristic data of the product in the packaged state

Appearance, consistence:  
Active ingredient:  
Density:  
Flash point:

milky, white, cream form  
approx. 80 % by weight  
approx. 0.89 g/cm<sup>3</sup>  
> 100 °C

### Directions

#### Substrate preparation:

Remove old render at least 80 cm above the visible moisture edge. Chase out damaged joints 2 cm deep. Fill open joints with Remmers Undercoat Render. Coat wall surfaces up to 30 cm above the row of boreholes with Remmers Sulfatex Grout in the Remmers Kiesol System (mineral waterproofing with deep protection).

#### Adjacent surfaces:

Building elements that should not come in contact with the impregnation agent (e.g. glass, coated surfaces and surfaces to be coated) - as well as plants - should be protected by suitable means (e.g. by covering with polyethylene sheets).

#### Injection:

Kiesol C is injected through boreholes in the masonry work. The boreholes are usually placed at ground height or floor height. The injection tube, which fits the diameter of the boreholes, is inserted as far as possible into the borehole. The boreholes should be evenly filled by slowly injecting the material into the borehole while pulling out the injection tube at the same time.

For practical purposes, the distance between boreholes should be 12 cm with a borehole diameter of 12 mm. The depth of the borehole should be the depth of the masonry minus approx. 2 cm.

Before injecting, always remove drilling dust from the boreholes first.

Kiesol C can be used up to a degree of moisture saturation of approx. 95 %.

To prevent the active ingredient from evaporating from the boreholes, the last 2 cm of the boreholes should not be filled with cream but closed as soon as possible with Waterproofing Filler, Art. No. 0426.

When subsequent surface waterproofing is carried out, it is recommended to apply an additional coating of Waterproofing Filler in the area over the chain of boreholes.

#### Supporting measures:

- Vertical surface waterproofing from the floor slab to approx. 30 cm above the level of the boreholes
- Salt treatment with Remmers Sulfatex Liquid and/or Remmers Salt Inhibitor.
- Depending on the existing load on the masonry work and the requirements regarding utilisation of the room, the materials named above are to be combined with products from the Remmers Restoration Programme.

#### Observe the Technical Data Sheets for each product.

#### Working temperature:

Do not apply Kiesol C at temperatures below +5°C or above +30°C.

#### Tools, cleaning

- a) Drilling equipment, e.g. spiral hammer, SDS Plus or SDS Max bit
- b) Sealing compound gun, e.g. Remmers Sealing Compound Gun Art. No. 470601
- c) Injection Lance Kiesol C, Art. No. 419601
- d) Injection Hose Kiesol C, Art. No. 418001
- e) Injection Set Kiesol C, Art. No. 419501:  
(consisting of Sealing Compound Gun, Art. No. 470601 and Injection Lance, Art. No. 419601)
- f) Desoi Piston Pump EP-60 for the 10 l Politainer (made by e.g. DESOI GmbH, 36148 Kalbach/Rhön)

Clean tools immediately with water while the material is still fresh.

#### Packaging, application rate, shelf-life

##### Packaging:

550 ml plastic tube bags with screw cap  
Counter-top box  
(12 x 550 ml plastic tube bags with screw cap)  
10 l Politainer,  
10 l, 15 l plastic bucket

##### Borehole depth:

Approx. 20 mm before the end of the masonry work

#### Application rate:

Borehole diameter	12 mm
Wall thickness: 10 cm Borehole depth: approx. 8 cm App. rate* per m: 8.3 holes	approx. 80 ml
Wall thickness: 11.5 cm Borehole depth: approx. 9.5 cm App. rate* per m: 8.3 holes	approx. 100 ml
Wall thickness: 24 cm Borehole depth: approx. 22 cm App. rate* per m: 8.3 holes	approx. 230 ml
Wall thickness: 36 cm Borehole depth: approx. 34 cm App. rate* per m: 8.3 holes	approx. 350 ml
Wall thickness: 42 cm Borehole depth: approx. 40 cm App. rate* per m: 8.3 holes	approx. 415 ml
*Calculate a 10 % safety margin	

Application rates will be higher for hollow masonry.

#### Shelf-life:

In original containers stored cool and frost-free

- 550 ml plastic bags with screw cap at least 6 months
- 10 l Politainer at least 6 months
- 5 l, 15 l plastic buckets at least 12 months

#### Safety, ecology, disposal

Further information on safety when transporting, storing and handling as well as disposal and ecology is found in the latest Safety Data Sheet.

**Personal protective equipment is required for spraying procedures. Use respiratory protection with a P2 particle filter (made by, e.g. Dräger). For suitable protective gloves, see Safety Data Sheet. Wear closed work clothes.**



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