

A photograph of a brick wall with a horizontal barrier installed. A black pipe is inserted into a hole in the mortar joint, and a thin metal rod is used to guide it. The barrier is a horizontal line of small blue dots. In the background, a blue hand truck is visible on a paved surface.

Kiesol C [basic] Horizontal Barrier

Quick and easy injection due to
its cream consistency



Remmers Kiesol C [basic]

WTA tested and certified up to 95 % moisture saturation

Advantages

- Effective with any degree of moisture saturation
- Quickly and easily applied
- Horizontal, usually easy to drill injection channels
- Easy to handle injection equipment
- No more splashing and running
- Very low and easy to calculate application rates
- Boreholes do not need to be filled afterwards
- No waiting time for follow-up work

Properties

- Highly concentrated, 80% active ingredient
- Solvent-free
- Distribution in the masonry work through diffusion and evaporation
- WTA-certified up to 95% moisture saturation

Article data

Art. No.	0727
Size of container	550 ml (tube bag) 5 l, 12,5 l (plastic bucket) 10 l (polytainer)
Active ingredient content	80%
Flash point	> 100 °C
Appearance	creamy white
Application rate in l per borehole	Approx. 0.113 dm ² × thickness of masonry work in dm
Application	Under gravity with a cartridge gun or professional equipment
Working temp.	+5 °C to +30 °C





The number 1 for professional users

Minimum time with maximum performance

If you compare the properties of the injection procedures found today for subsequent production of cross-section waterproofing or the product systems that are available, Kiesol C [basic] has considerable advantages compared to liquid product systems and also compared to other products in cream form that are on the market.

- Kiesol C [basic] is WTA tested and certified for injection under gravity up to a degree of moisture saturation of 95 %. The test report is available on request.
- The preliminary examinations that were necessary for selecting the procedure when using liquid injection materials are no longer necessary since Kiesol C [basic] can be used for any degree of moisture saturation.
- Because the boreholes are horizontal and slim, the time needed for drilling and the quantity of material required to fill the boreholes is greatly minimised.
- And since the boreholes are so slim, it is no longer necessary to subsequently fill them with Injection Mortar.
- Along with simple hand-held guns, there are two professional machines that can also be used to inject Kiesol C [basic]: the EP 60 Piston Pump made by Desoi and the Injection Pump DCE-R made by Dittmann.

The use of Kiesol C [basic] is therefore the most efficient procedure for most subsequently placed horizontal barriers.



Injection of masonry for the sealing of cross-sections

Cream application without cavity filling



1 Making drill holes

Drill holes with a diameter of 12 cm at a spacing of 12 mm horizontally into the bed joint.
ARH value: 0.20 – 0.30 per m



2 Cleaning the drill holes

Use oil-free air to blow any drilling dust out of the holes.
ARH value: 0.05 per m



3 Injecting the material

Use a sealant gun and injection lance or Desoi Creme-Fix machine technology to fill the drill hole with Kiesol C [basic].
ARH value: 0.05 – 0.10 per m



4 Sealing the drill holes

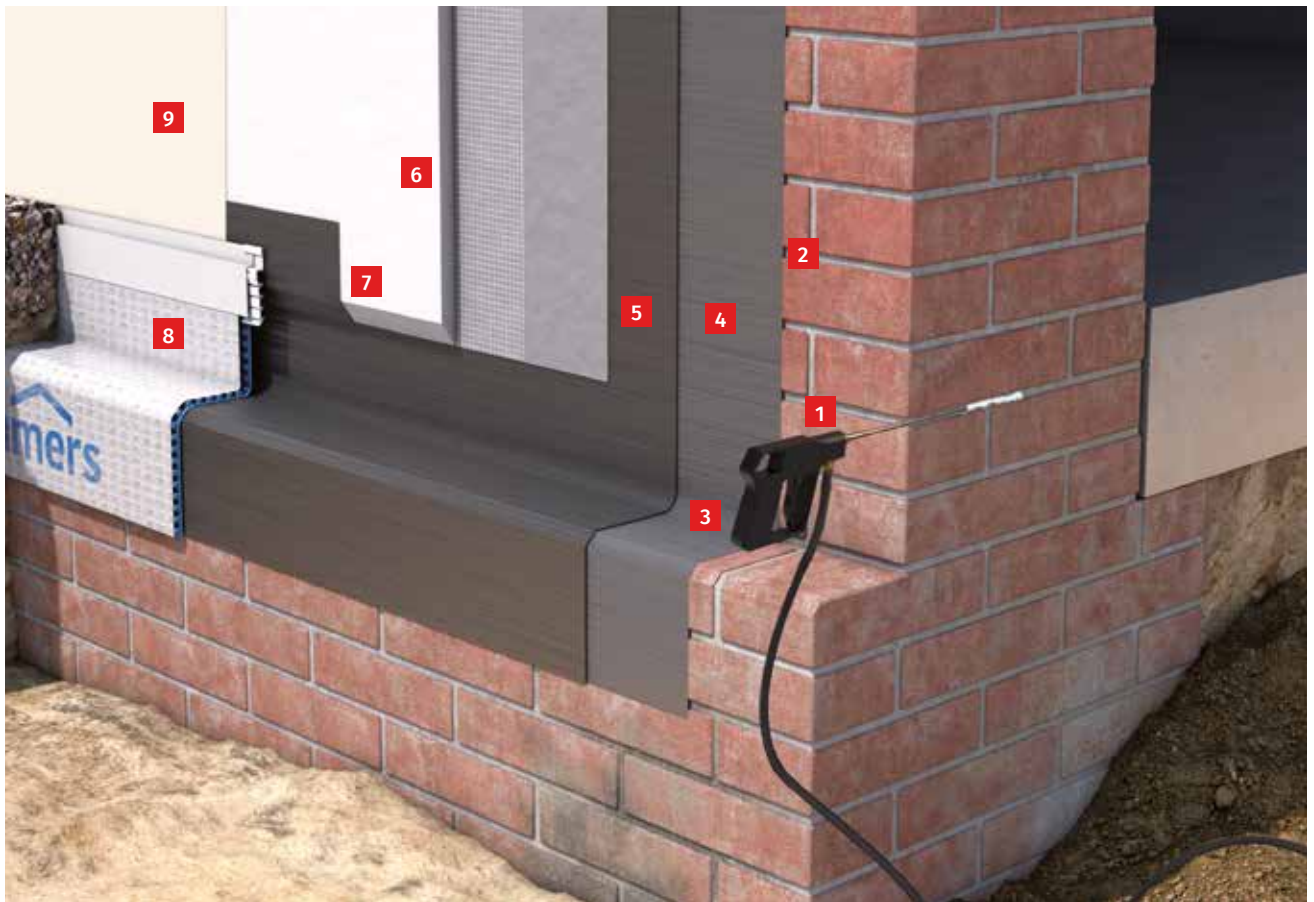
Once injection is complete, seal off the drill holes at the surface using sealing filler.
ARH value: 0.05 per m



5 Supporting measures

Create a vertical waterproofing strip in the Kiesol system. Apply to at least 30 cm beyond the level of the drill holes.

Subsequent surface system, single/double-leaf masonry in exterior ground course region (optional)



1 Preliminary work: Carry out drilling and injection (see steps 1–4 on the previous page). Use WP DS Levell to seal off uneven and missing areas > 5 mm.

2 Priming (optional): Use Kiesol MB to prime absorbent mineral substrates.

3 Sealing cove: Create a sealing cove of WP DS Levell.

4 Applying the scratch coat: Use a smoothing trowel to apply a scratch coat of MB 2K as a contact layer. Apply to at least 30 cm beyond the level of the drill holes.

5 Applying waterproofing layer to plinth waterproofing: Apply an initial layer and waterproofing layer of MB 2K. Apply to at least 30 cm beyond the level of the drill holes. Only apply the second layer once the first layer can no longer be damaged.

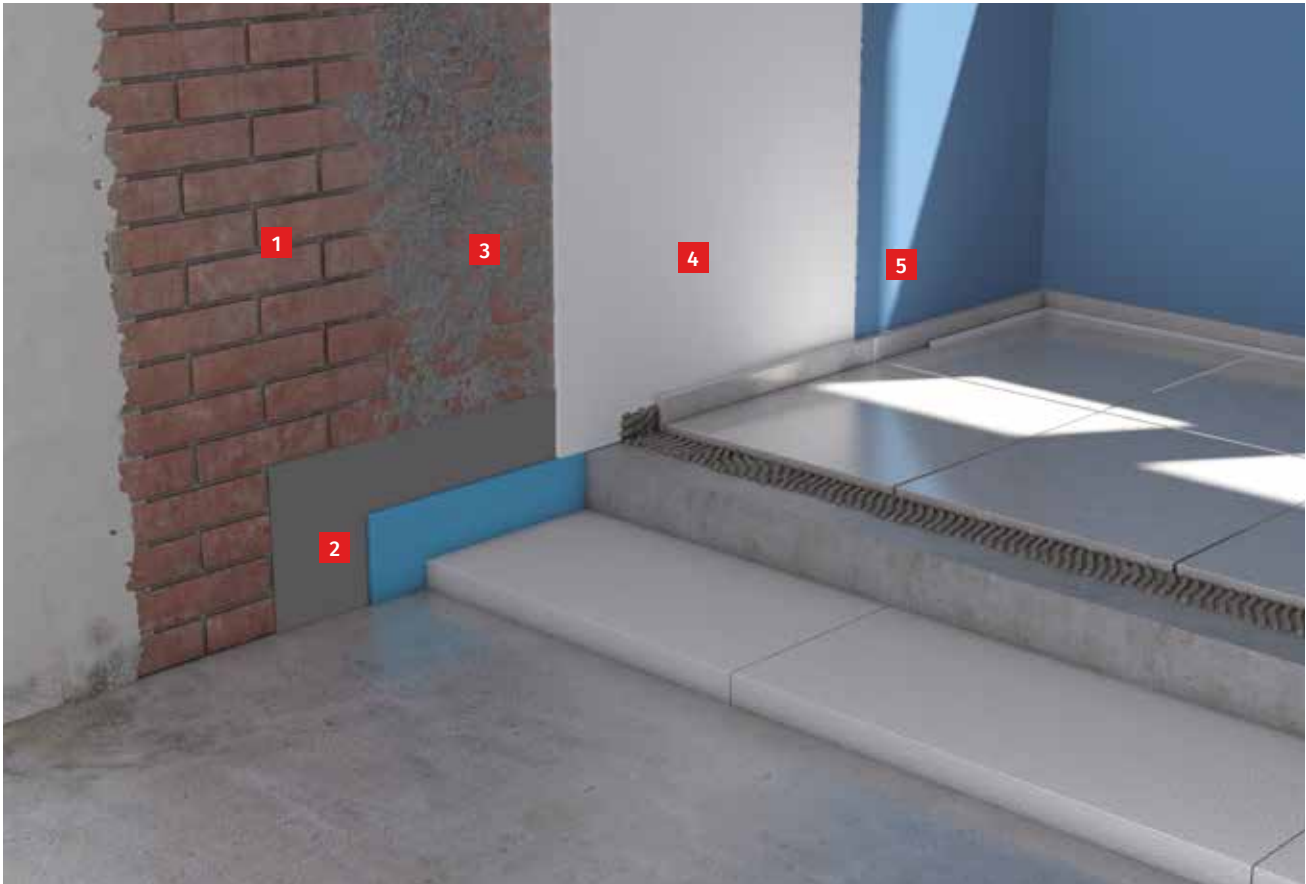
6 Plinth render: Apply the reinforcement mortar VM Fill, reinforcement fabric Tex 4/100 and finishing render VM Fill rapid in the area exposed to splashing water.

7 Render waterproofing: Apply MB 2K as a pore-sealing render waterproofing layer. Apply the waterproofing to at least 5 cm above ground level

8 Protecting the waterproofing: Install DS Protect up to ground level.

9 Decorative colour (optional): Use Color PA over plinth render and render waterproofing.

Subsequent surface finish with interior renovation plaster system (optional)



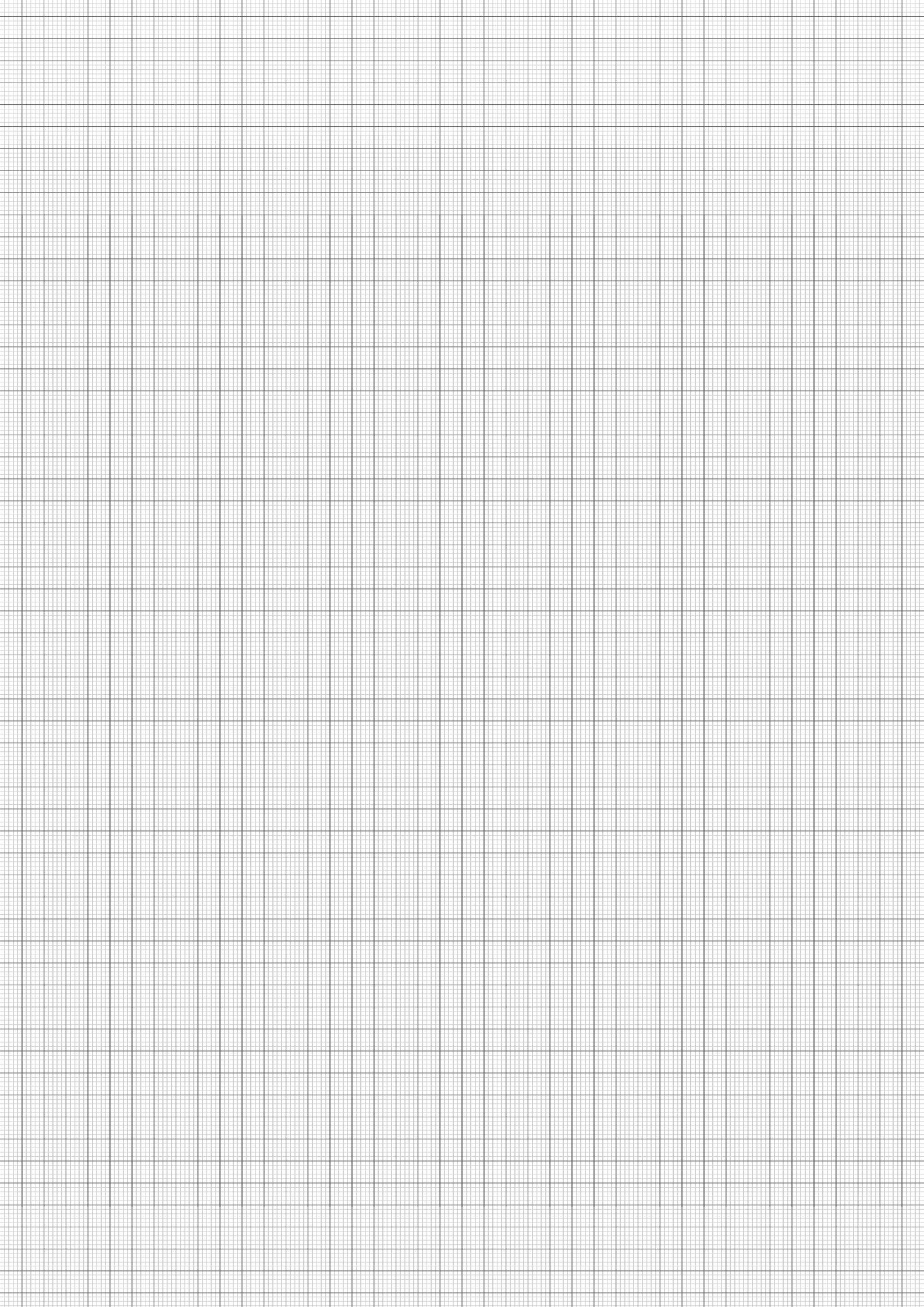
1 Preliminary work: Remove old render and coatings to 80 cm above the damaged area. Chase out friable joints to a depth of 2 cm. Then seal off the joints and, if necessary, level the substrate using SP Levell.

2 Drilling, injection and supporting measures:
(see steps 1–5 on page 4)

3 Rough casting: Broadcast the preparatory mortar SP Prep over the entire surface area of a further waterproofing layer of WP Sulfatex wet-on-wet in the plinth region. Throw SP Prep onto the remaining wall surface as follows. On absorbent substrates, throw on SP Prep in clumps (50% coverage). On weakly absorbent substrates, throw on SP Prep over the entire surface (100% coverage).

4 Renovation plaster application: Apply SP Top White after 24 hours. Use a stainless steel tool to level and work the wet surface. Once incipient stiffening has occurred, rub the SP Top White with a sponge float and a small amount of water, or – optionally – comb it and apply the surface filler SP Fill Q3 over the top.

5 Surface finish (optional): Apply a finishing coat of the diffusion-open special coating Color SP.





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