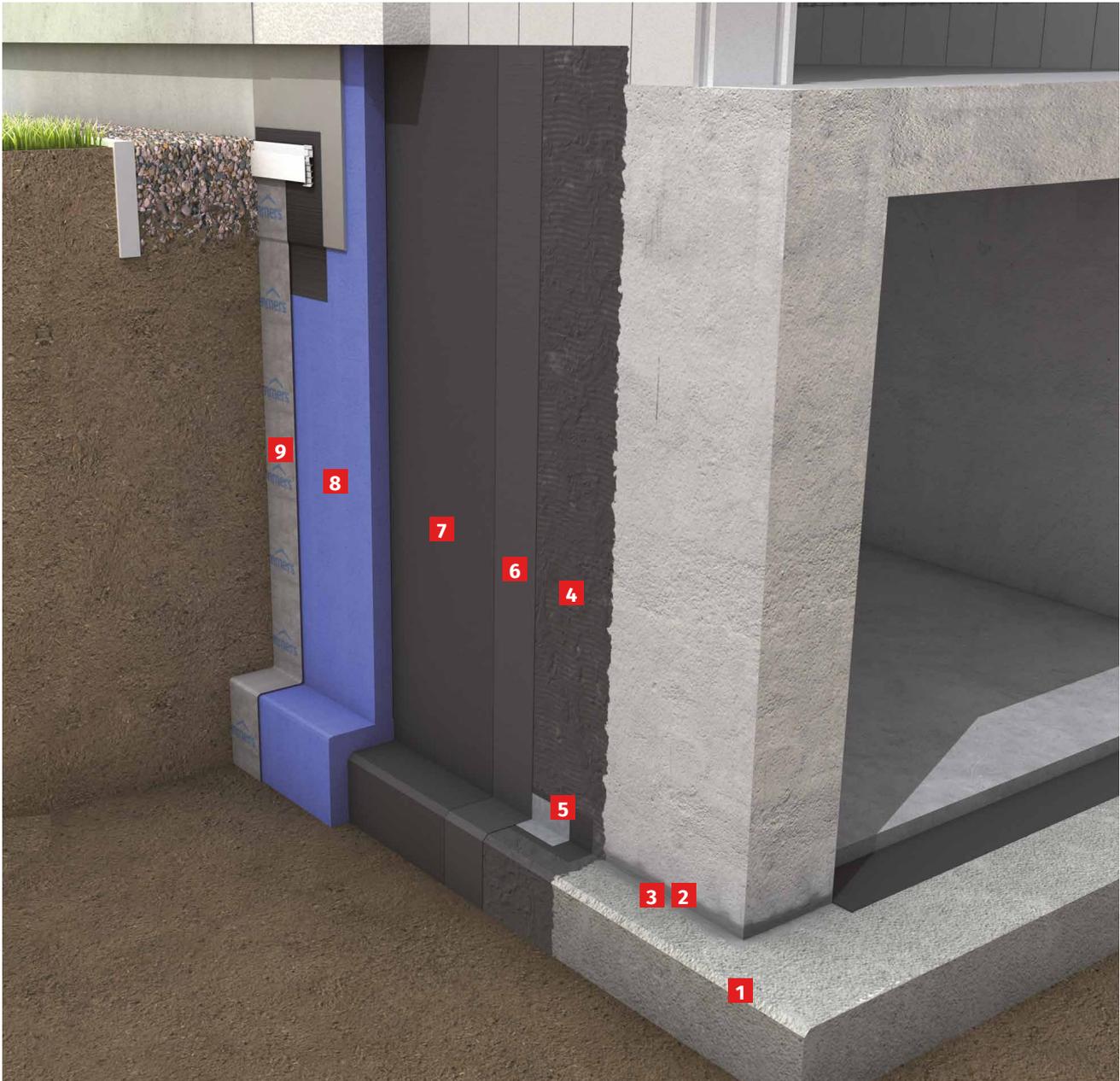


Waterproofing in detail

Structural waterproofing against pressing water on concrete components with high water penetration resistance with the reactive, multifunctional construction waterproofing MB 2K



1 Preparation

Smooth edges and outer corners. Remove the unstable cement sinter layer of the WI concrete base to obtain a stable substrate.

2 Levelling

Any open joints, defects or broken-out areas > 5 mm must be closed up with WP DKS rapid. Pre-wet highly absorbent substrates with water.

3 Primer

Apply Kiesol MB to the prepared substrate. Leave out levelled areas.

4 Scratch coat

Apply scratch coat of MB 2K.

5 Install joint tape

Apply MB 2K to the construction joint in the wall/floor connection. and embed Tape VF 120 „fresh in fresh“.

6 First waterproofing layer

Apply the first waterproofing layer of MB 2K evenly.

7 Second waterproofing layer

The second waterproofing layer is applied as soon as the first layer is dry enough to resist damage.

8 Thermal insulation

After drying, fully bond the thermal insulation with MB 2K or Remmers BIT 2K [basic].

9 Protection of the waterproofing

Mounting of DS Protect at the height of the top edge of the site.

Application instructions

Structural waterproofing on concrete building components with high water penetration resistance with the reactive, multifunctional structural waterproofing of MB 2K against the water load of pressing water (W2.1-E according to DIN 18533).



1 Substrate preparation

Use a suitable grinding machine to smooth edges and outer corners approx. 10 mm wide. The cement compound layer is to be removed 15 cm wide from the vertical joints and in the area of the horizontal construction joint, up to 15 cm above the face of the WI concrete base. Remove the unstable cement sinter layer, mortar residues and burrs mechanically.



2 Cleaning

Clean the mineral surfaces that are to be waterproofed. Prime absorbent joint areas to be waterproofed with the special primer Kiesol MB to bind residual dust and consolidate the surface.

Consumption: 0.1 - 0.2 l/m² Kiesol MB



3 Filling defects

Any open joints, defects or broken-out areas > 5 mm must be closed up with WP DKS rapid.

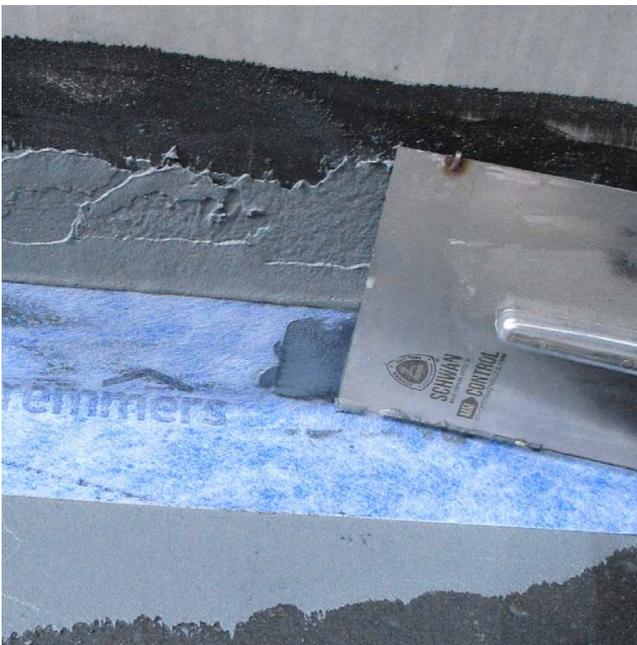
Consumption: approx. 1.7 kg/m²/mm layer thickness
 WP DKS rapid [basic] as bonding agent
 approx. 1.7 kg/m joint sealant
 WP DKS rapid [basic] as joint seal



4 Scratch coat

After application of the special primer Kiesol MB, close voids, pores and defects < 5 mm with filler and scratch coat with MB 2K.

Consumption: approx. 0.5 kg/m² MB 2K



5 Construction joint waterproofing

Apply Tape VF and MB 2K to the construction joint in the wall/floor connection. Apply MB 2K to the prepared substrate. Then embed the joint tape over its full surface area, making sure not to leave any air bubbles. Apply a coat of MB 2K over the top. Edges must overlap by a width of > 10 cm.

Consumption: approx. 1 m/m Tape VF 120
 approx. 0,9 kg/m MB 2K



A Alternative position: mineral sealing groove

Prime the wall-base connection with Kiesol MB. Apply WP DKS rapid [basic] to the bonding layer and install the WP DKS rapid [basic] sealing cove «fresh in fresh». The mineral sealing cove is rounded off with a radius of approx. 5 cm.

Consumption: approx. 1.6 kg/m²/mm layer thickness
 WP DKS rapid [basic] as bonding layer
 approx. 1.7 kg/m joint sealant
 WP DKS rapid [basic] as joint seal



6 Surface waterproofing

Apply two layers of waterproofing against pressing water with MB 2K in accordance with the regulations.

The second waterproofing layer is carried out as soon as the first one can no longer be damaged. Minimum dry layer thickness 3 mm.

Consumption: approx. 3.3 kg/m² MB 2K





7 Perimeter insulation

Bond the insulation made from rigid extruded polystyrene foam with MB 2K over the entire surface. If necessary, cut the insulation board to size in the area of the sealing cove.

Consumption: approx. 3.5 - 4.5 kg/m² MB 2K



A Alternative position: Insulation board bonding

After drying, bond the insulation made from rigid extruded polystyrene foam with the two-component, polymer-modified bitumen thick coating (PMBC) and BIT 2K [basic] over the entire surface. If necessary, cut the insulation board to size in the area of the sealing cove.

Consumption: approx. 3.5 - 4.5 l/m² BIT 2K [basic]



A Alternative position: protection layer

Protective layer of DS Protect Rot-proof and root-resistant, potable water safe, 3-layer drainage and filling protection sheet; apply once the waterproofing is fully dry. Fix the drainage and filling protection membrane up to the defined upper level of the waterproofing.

Consumption: 1.05 m²/m² DS Protect
4 pcs./m DS Protect Clip
0.5 pc./m DS Protect AL

> Notes

Product overview

Applied products from the tested Remmers MB 2K building waterproofing system for concrete substrates against pressing water



MB 2K

Multifunctional building waterproofing. Combines the properties of flexible, crack-bridging, mineral sealing slurries MDS and bitumen thick coatings PMBC.

Art. no.: 3014



WP DKS rapid [basic]

Quick-setting waterproofing filler

Art. no.: 0423



Kiesol MB

Special primer

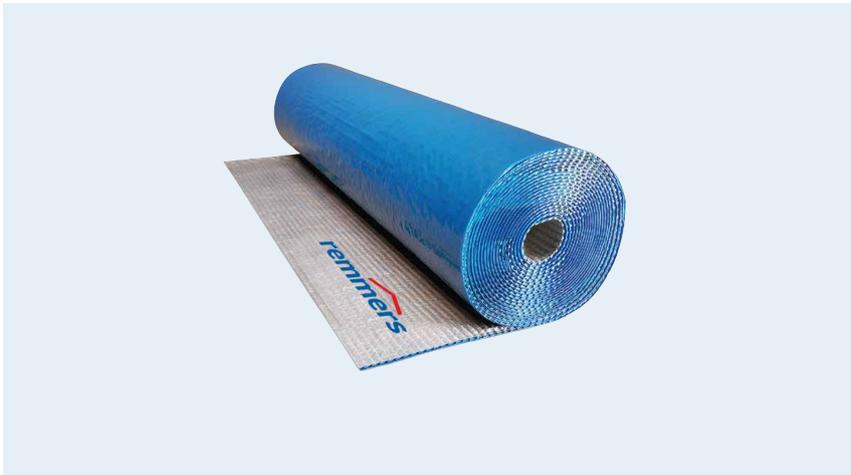
Art. no.: 3008



Tape VF 120

High-quality, fabric-coated premium joint tape made from NBR

Art. no.: 5071



DS Protect

Three-layer protection system with decoupling function

Art. no.: 0823

Tool overview



Collomix® HEXAFIX® retrofit adapter

Art. no.: 4283



Collomix® stirrer

Art. no.: 4286



Pointer

Art. no.: 4113



Remmers Quirlex

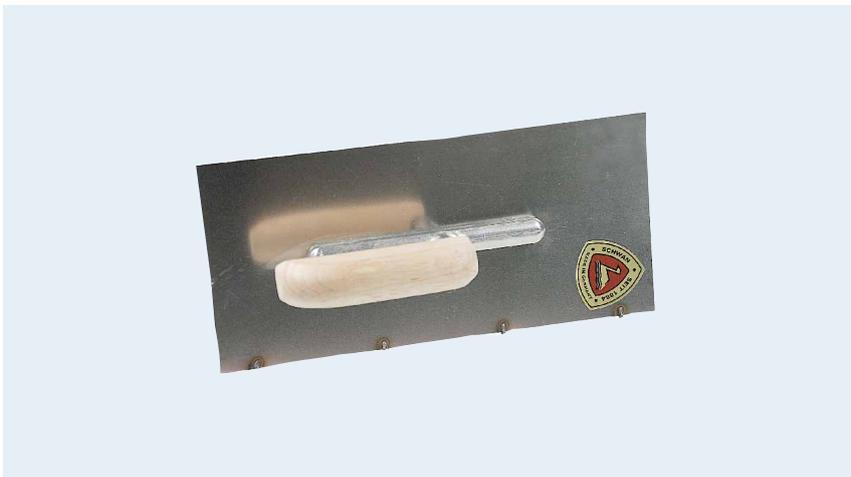
Cleaning bucket

Art. no.: 4282



Ladle

Art. no.: 4103



Layer Thickness Trowel

Art. no.: 4000



Profile Trowel

Art. no.: 5047



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