System Data Sheet



Internal basement waterproofing with the flex system

APPLICATION INSTRUCTIONS



SUBSTRATE PREPARATION

Remove old layers of plaster and paint. Chase out damaged joints to a depth of approx. 2 cm.



PRIMER

Apply an even layer of Kiesol diluted 1:1 with water. Pre-wet highly absorbent substrates with water.



BONDING LAYER

Within the reaction time of Kiesol, use a slurry brush to apply the bonding layer of WP Sulfatex.



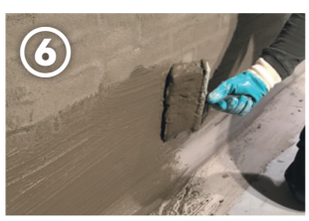
LEVELLING

Apply WP DS Levell wet-on-wet to level out any unevenness.



ANGLE FILLET

Use a curved trowel to create a angle fillet with WP DS Levell while the material is still wet.



FIRST WATERPROOFING LAYER

Use a slurry brush to apply the first waterproofing layer of MB 2K (approx. 1.5 mm dry layer thickness) over the levelling layer.



SECOND WATERPROOFING LAYER

Apply the second waterproofing layer of MB 2K (approx. 1.5 mm dry layer thickness) over the first layer once dry. Depending on the water impact class, several coats may be necessary. Impervious to radon from a dry layer thickness of 4 mm.



CONTACT LAYER

Apply SP Top SL as a scratch coat.



SURFACE FINISH

Immediately apply SP Top SL on the scratch coat.

Embed the Tex 6.5/100 reinforcement fabric in the first two-thirds of the plaster layer with an overlap of 10 cm. Then immediately apply a second layer of SP Top SL.

The total thickness is 10–15 mm.



OPTIONAL: INSTALLING THE IQ-THERM 2.0 INTERNAL INSULATION SYSTEM

Instead of using SP Top SL as surface finish, iQ-Therm 2.0 can be applied directly onto the second waterproofing layer to act as a condensate buffer and protect against mechanical damage. See the system data sheet for iQ-Therm 2.0 – high-performance capillary-active internal insulation, step 3 onwards.

NOTE:

The QR codes link to an instructional video and the applicable Technical Data Sheet. Please contact your specialist retailer for more information.

Technical Data Sheet

More information here:

CERTIFICATES

TESTED IMPERVIOUS TO RADON

PRODUCT OVERVIEW

Products used

PRIMER



Kiesol
Application rate:
approx. 0.1 - 0.3 kg/m²
(dilute 1:1 with water)
Art. No. 1810

BONDING LAYER



WP Sulfatex
Application rate:
approx. 1.6 kg/m²/mm layer thickness
Art. No. 0430

LEVELLING



WP DS Levell
Application rate:
approx. 1.7 kg/m²/mm layer thickness, approx. 1.7 kg/m as hollow cove
Art. No. 0426

WATERPROOFING

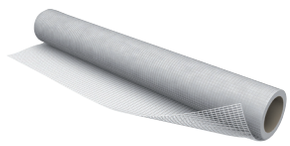


MB 2K
Application rate:
min. 1.1 kg/m²/mm dry layer thickness
Art. No. 3014

SURFACE FINISH

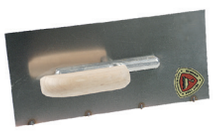


SP Top SL
Art. No. 1050
Application rate:
approx. 5.6 kg/m²/cm layer thickness



Tex 6.5/100
Art. No. 02360
Reinforcement fabric made of E-glass

TOOLS



Layer thickness trowel
Art. No. 4108 (2.5 mm)

TOOLS



Slurry brush
Art. No. 45176

TOOLS



Round Trowel
Art. No. 4114