

THERE CAN ONLY BE ONE!

The new Remmers Multi-Tight 2K





The all-in-one **WATERPROOFING PROTECTION**



PERMANENT PROTECTION WITH MULTI-TIGHT 2K!

For interior and exterior use in new and old buildings

Multi-Tight 2K is a combination of a crack-bridging, mineral-based sealer (MDS) and polymer modified thick emulsion (PMB) all in one product, covering the entire range of waterproofing protection for buildings.

The 2015 version of Multi-Tight 2K is a brand new product under an “old” name. The hybrid binding system has been developed with having the shortest possible drying time, independent of weather conditions and with complete cross-linking while at the same time reacting extremely quickly with the modified rubber granulate aggregate.

- solvent free-low odour
- quick and easy to apply
- durable barrier to water

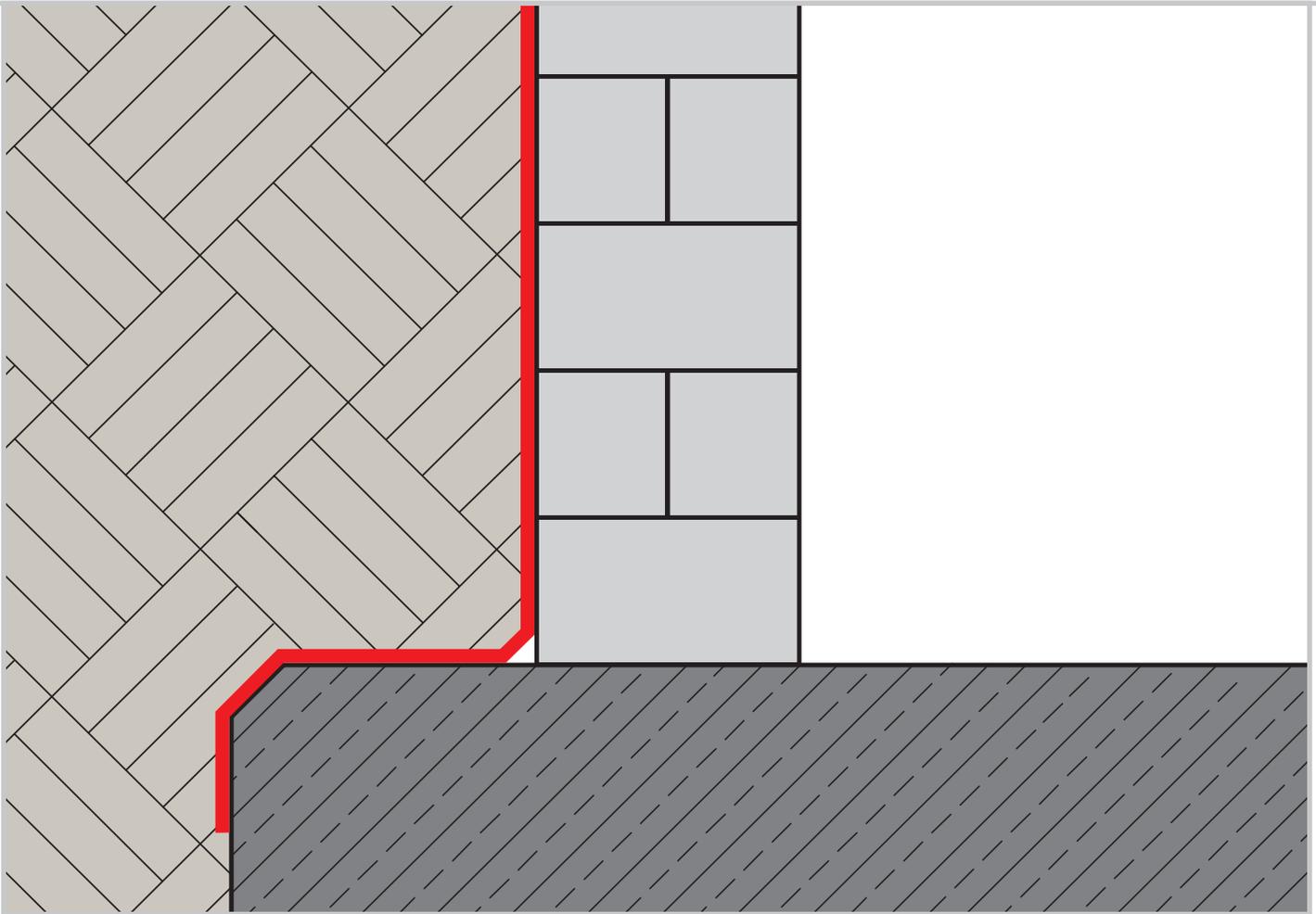
Flexibility, compressive strength and tensile strength also meet the most demanding requirements for all types of below ground waterproofing. Multi-Tight 2K cuts out inconvenient waiting times for drying and the application of complicated varying layer systems.



	Multi-Tight 2K
Article No:	3014
Pack size	25 kg
Base	polymer binder, cement, special fillers, additives
Density	approx. 1.1 kg/dm ³
Consistency	paste like
Water impermeability	up to a 10 m head of water
Cross-slit pressure test according to officially recognized for the construction supervision authorities	requirements fulfilled even without reinforcing inter-layers
Complete drying time	approx. 18 hours (5° C/ 90% relative moisture)
Layer thickness	1.1 mm freshly applied = 1.0 mm dry
Application temperature	> + 5 °C < + 30 °C
Water vapour diffusion resistance	$\mu = 6600$
Working time	approx. 30-60 min. dep. on conditions
Application rate	minimum 2.5 kg/m ² / 2mm layer thickness, minimum 3.7 kg/m ² / 3mm layer thickness



FASTER
than ever before



BELOW GROUND LEVEL EXTERIOR WATERPROOFING

Multi-Tight 2K - dry and cross-linked in 18 hours

Multi-Tight 2K dries rapidly and the cross-linking is extremely fast and independent of weather conditions in less than 18 hours.

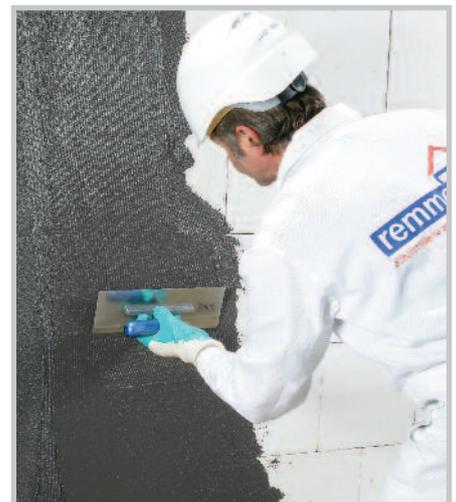
This is due to a brand new combination of a special dispersion with rubber granulate aggregate bonding capacity and a highly reactive cement component.

Additionally, Multi-Tight 2K comes with a general German test certificate (AbP) in accordance with the German Building Rules List A, part 2, No: 1.9 “mineral-based waterproofing grout for waterproofing of buildings”.

verification:

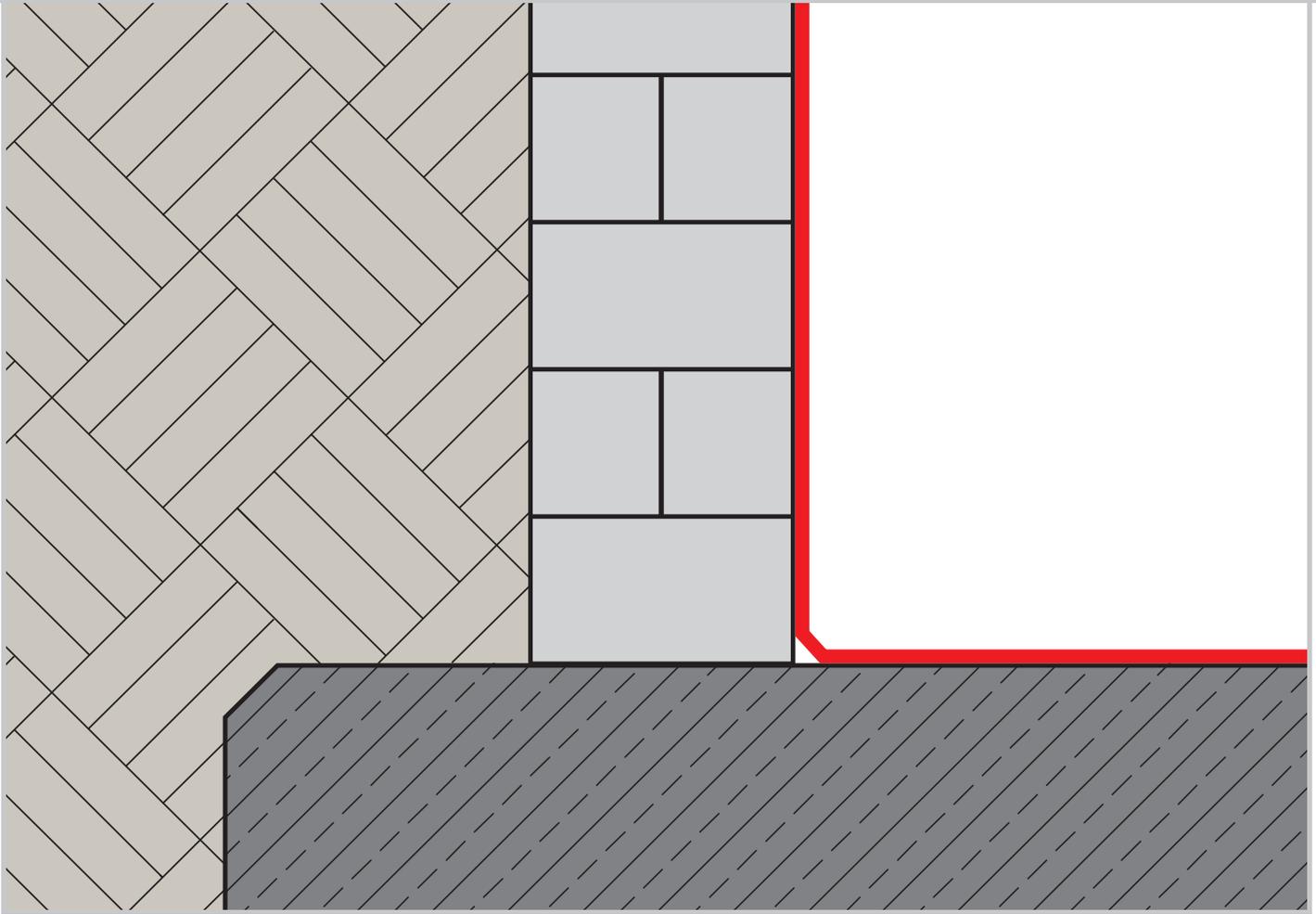
- AbP according to PG-ÜBB (German test principles for issuing of approved test certificates for general building regulations with reference to transitions of waterproofing building components made of concrete with high moisture resistance)
- early water pressure test (1.0 bar = 10 m water column) after 18 hours at 5° C and 90% relative moisture.

tested by:





FLEXIBILITY
without comparison



UNBEATABLE FLEXIBILITY

Multi-Tight 2K – crack-bridging in excess of 2 mm

Multi-Tight 2K is a flexible, mineral-based waterproofing grout, which has all the performance properties of a polymer-modified thick bitumen emulsion, but whilst still being bitumen free.

Specifically the crack-bridging capacity is > 2mm, as required by the national test principles for thick PMB emulsions and not just 0.4 mm, as in tests for mineral-based waterproofing grouting.

Hence the Multi-Tight 2K has a crack-bridging capacity which is five times more effective than a standard flexible mineral-based waterproofing grout.

verification:

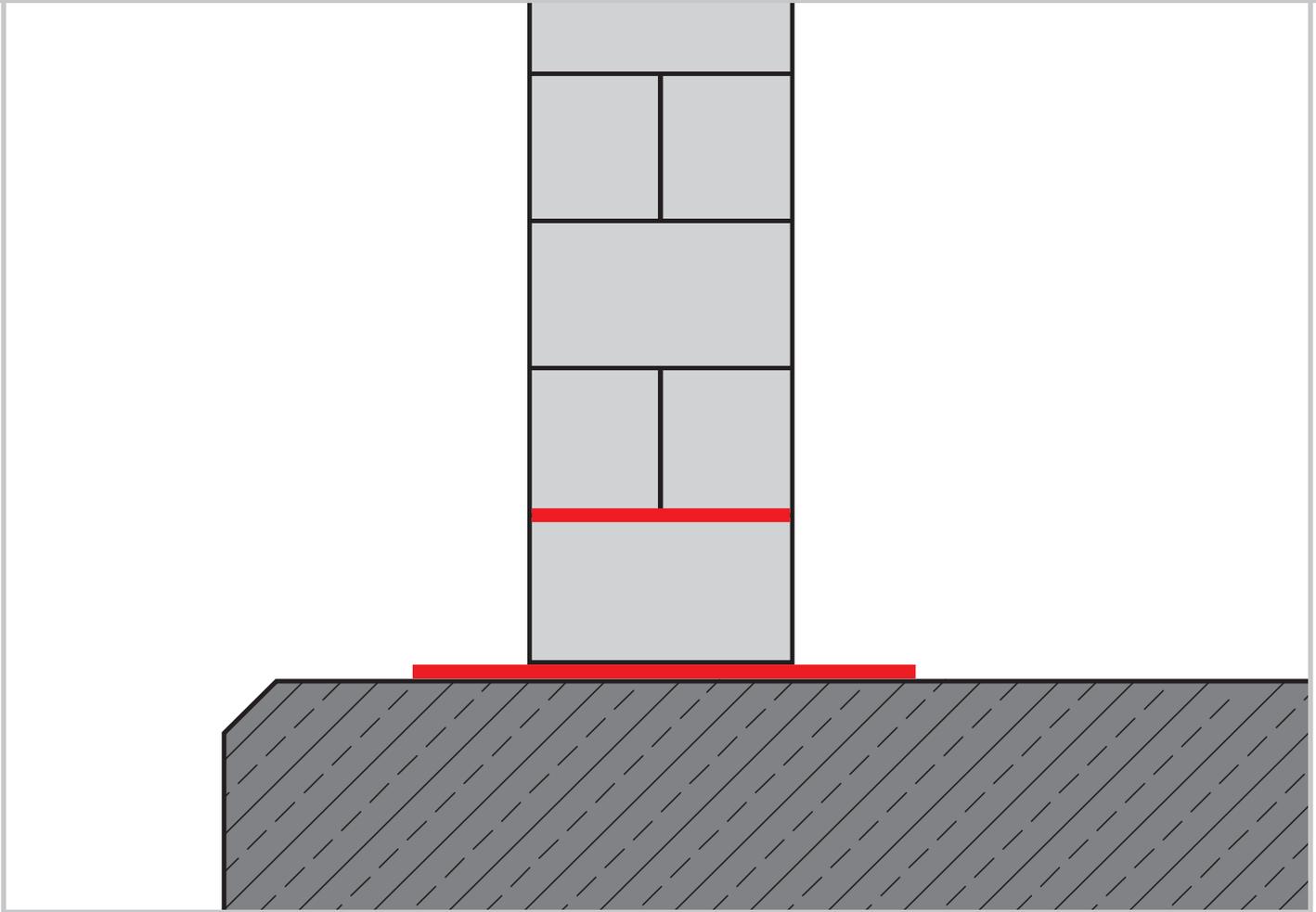
- tested according to German PG PMB (polymer modified bitumen waterproofing)
- AbP according to German Building Rules List A, part 2, No: 1.9, “ mineral-based waterproofing grout for waterproofing of buildings”
- system test according to WTA Code of Practice (Scientific & Technological study group for the restoration of buildings and preservation) data sheet 4-6-14/D for water impermeability against water pressure impacting from the rear.

tested by:





PRESSURE RESISTANT
under extreme loads



WATERPROOFING FOR INDOOR WORK AND BELOW MASONRY

Remmers Multi-Tight 2K pressure resistance

For indoor application and below masonry and also in the ground, waterproofing is exposed to extreme loads. Conventional PMB (polymer modified thick bitumen emulsion) systems often show a significant reduction in thickness as the result of these loads. This may cause damage or a significantly lower minimum dry layer thickness than required.

Like Remmers bituminous premium products, Multi-Tight 2K also has the unique rubber granulate filler technology. The rubber granulate aggregate, which is dispersion-reactive for Multi-Tight 2K generates high pressure resistance. Multi-Tight 2K has considerably higher deformation resistance than conventionally is required.

verification:

- deformation test within the scope of PG-PMB.

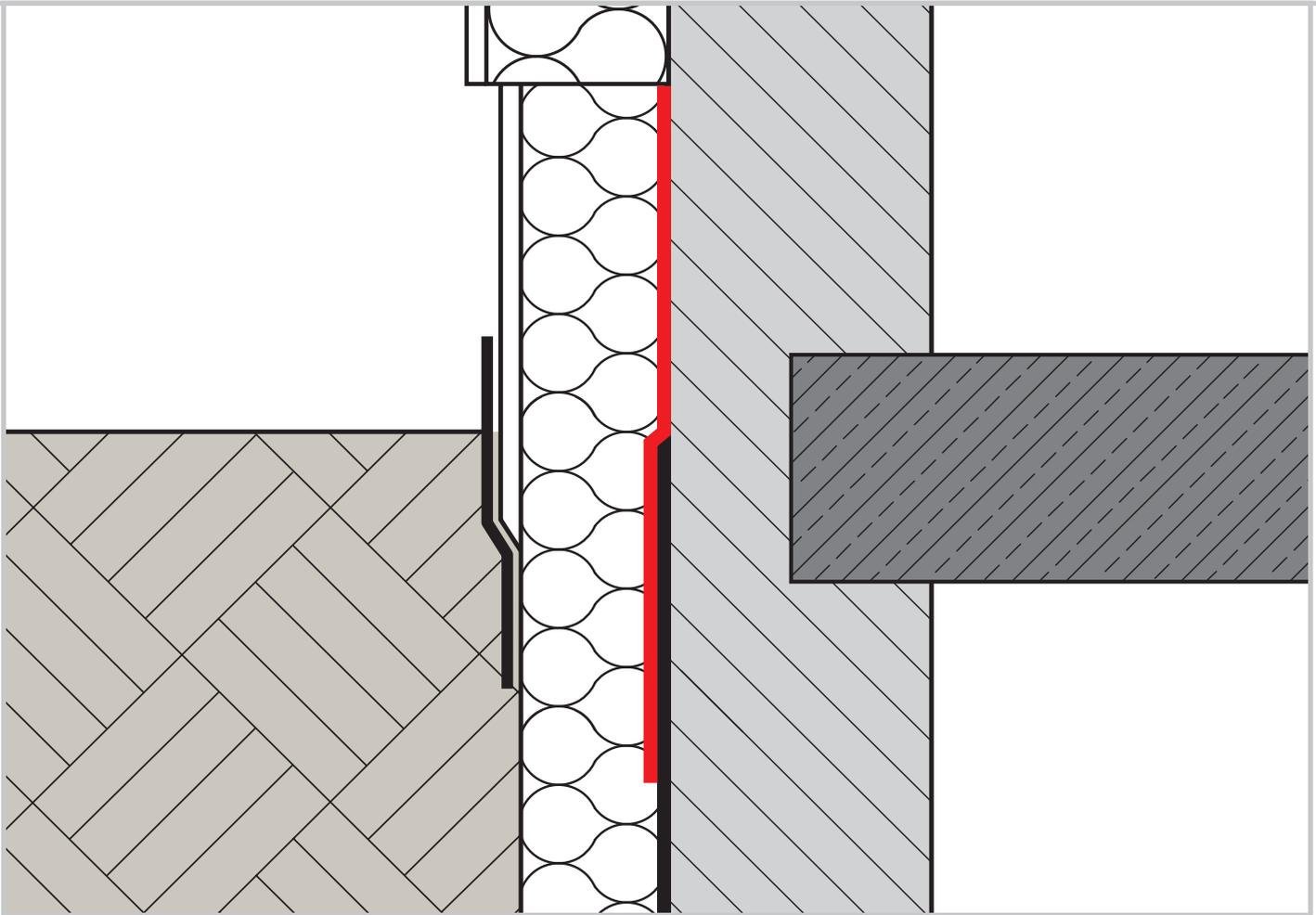
tested by:





HIGHLY ADHESIVE

in any position



FOUNDATION WATERPROOFING AT/OR BELOW GROUND LEVEL

Multi-Tight 2K – sticks to any surface

For foundation waterproofing in buildings, a mineral-based waterproofing grout is normally used for old and new types of buildings. However, this has a distinctive downside: it only bonds to mineral-based surfaces. For new buildings this means that it will have to be applied prior to the bituminous, exterior waterproofing and for old buildings any old bitumen emulsion on the subsurface has to be thoroughly cleaned before applying a new waterproofing layer. Problems like these are a thing of the past with Multi-Tight 2K. The excellent quality of Multi-Tight 2K adhesive capacity allows it to stick to old bitumen emulsion as well as new bitumen waterproofing – including any type of clean mineral-based surface.

verification:

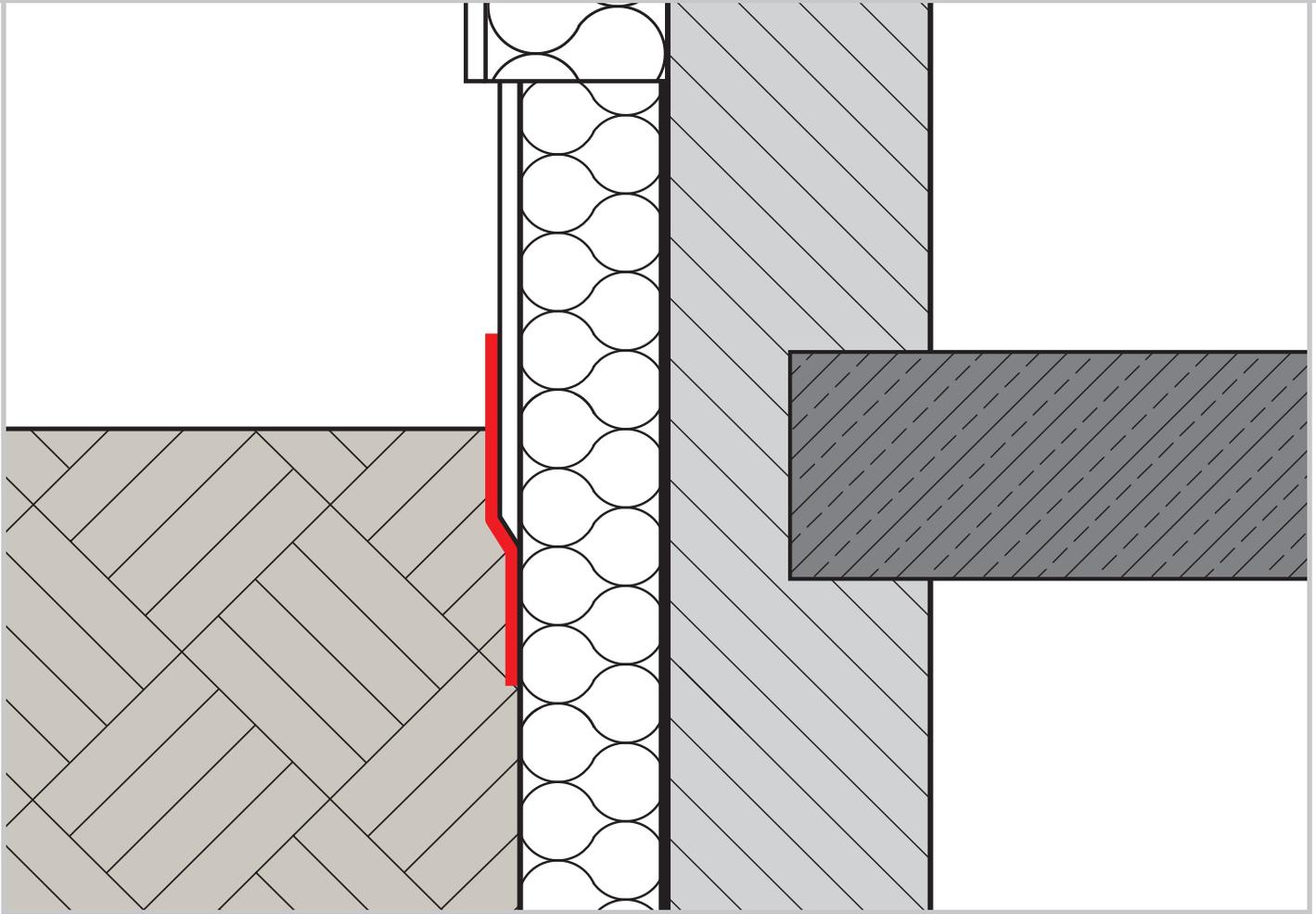
- Multi-Tight 2K tensile strength on bitumen
- AbP according to German Building Rules List A, part 2, No: 1.9, “mineral-based waterproofing grout for waterproofing of buildings”

tested by:





APPLICATION
in a wide range



WATERPROOFING FOR RENDERING

Overcoatable with Concrete Acrylic

Multi-Tight 2K can be easily coated with emulsion paint containing high binding agents such as Concrete Acrylic, has crack-bridging properties and sticks to any mineral-based sub-surface. Multi-Tight 2K may also be used for waterproofing rendering. The adhesive performance of Concrete Acrylic onto Multi-Tight 2K depends on site conditions.

- seamless and fully bonded
- accommodates differential movement
- simple to detail in critical areas
- elastic and flexible
- overcoatable with Concrete Acrylic

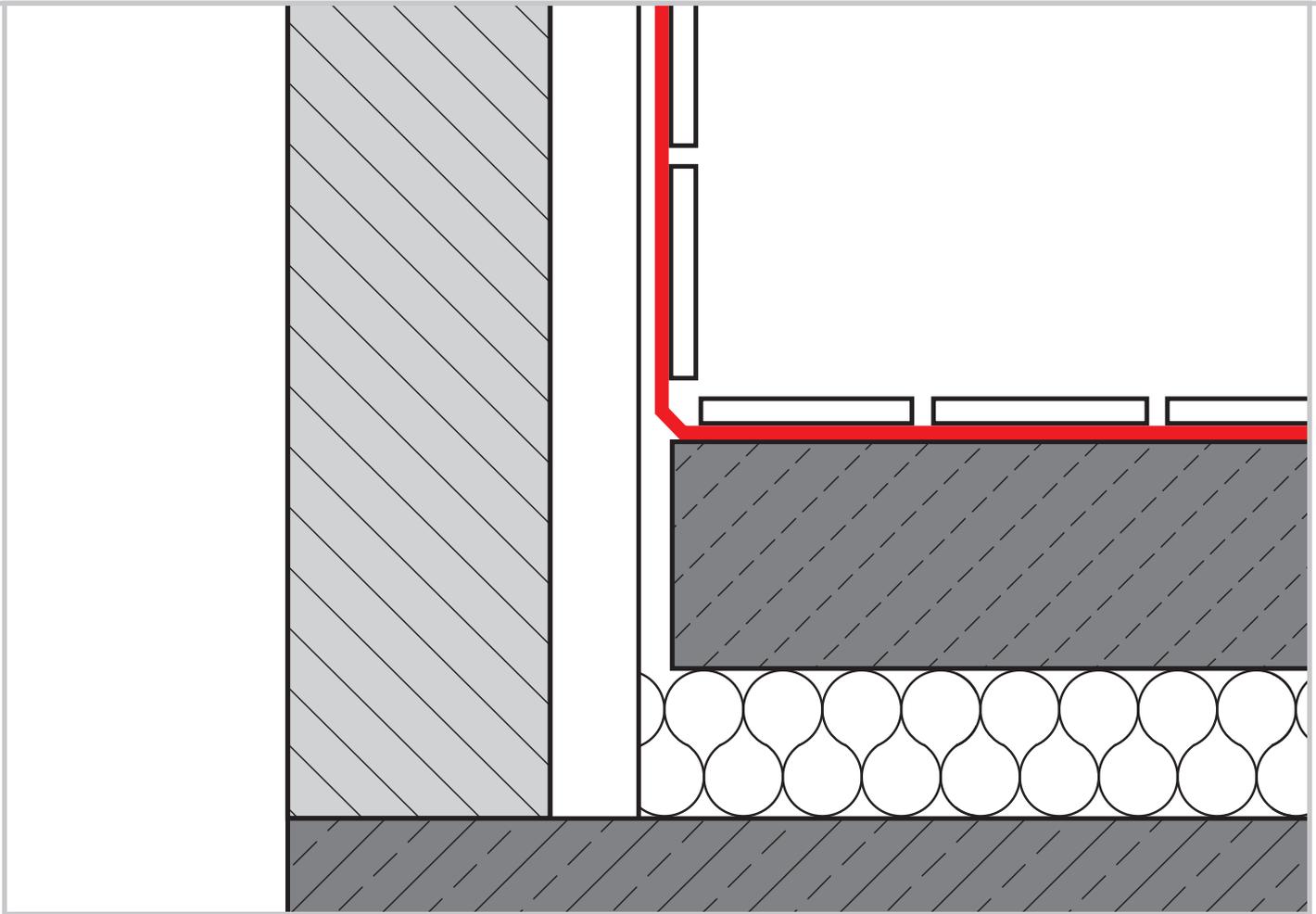
tested by:

bernhard remmers
Institut für Analytik
Baustoffe, Farben, Lacke.





RECOATABLE
after just 4 hours



BONDED DAMP PROOFING BENEATH TILES AND SLATES

Remmers Multi-Tight 2K efficiency

The simple system build up incorporating Multi-Tight 2K saves time and money.

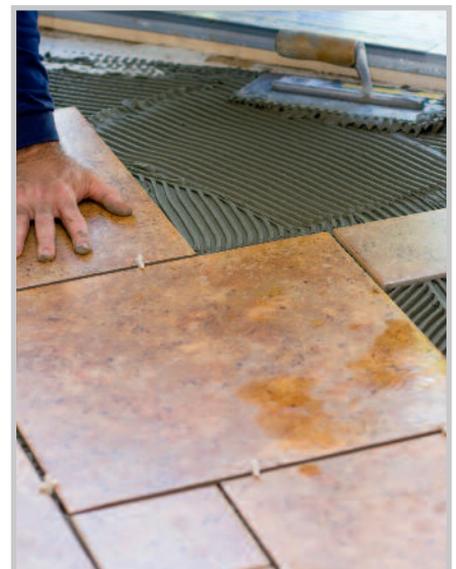
Irrespective of whether the product is applied as a thin layer or as a thicker trowel application, the new version of Multi-Tight 2K has a smooth surface, can be applied easily and spread evenly onto areas which require waterproofing. Also, the improved new setting behaviour reduces drying times.

Further treatments may be applied just after 4 hours.

verification:

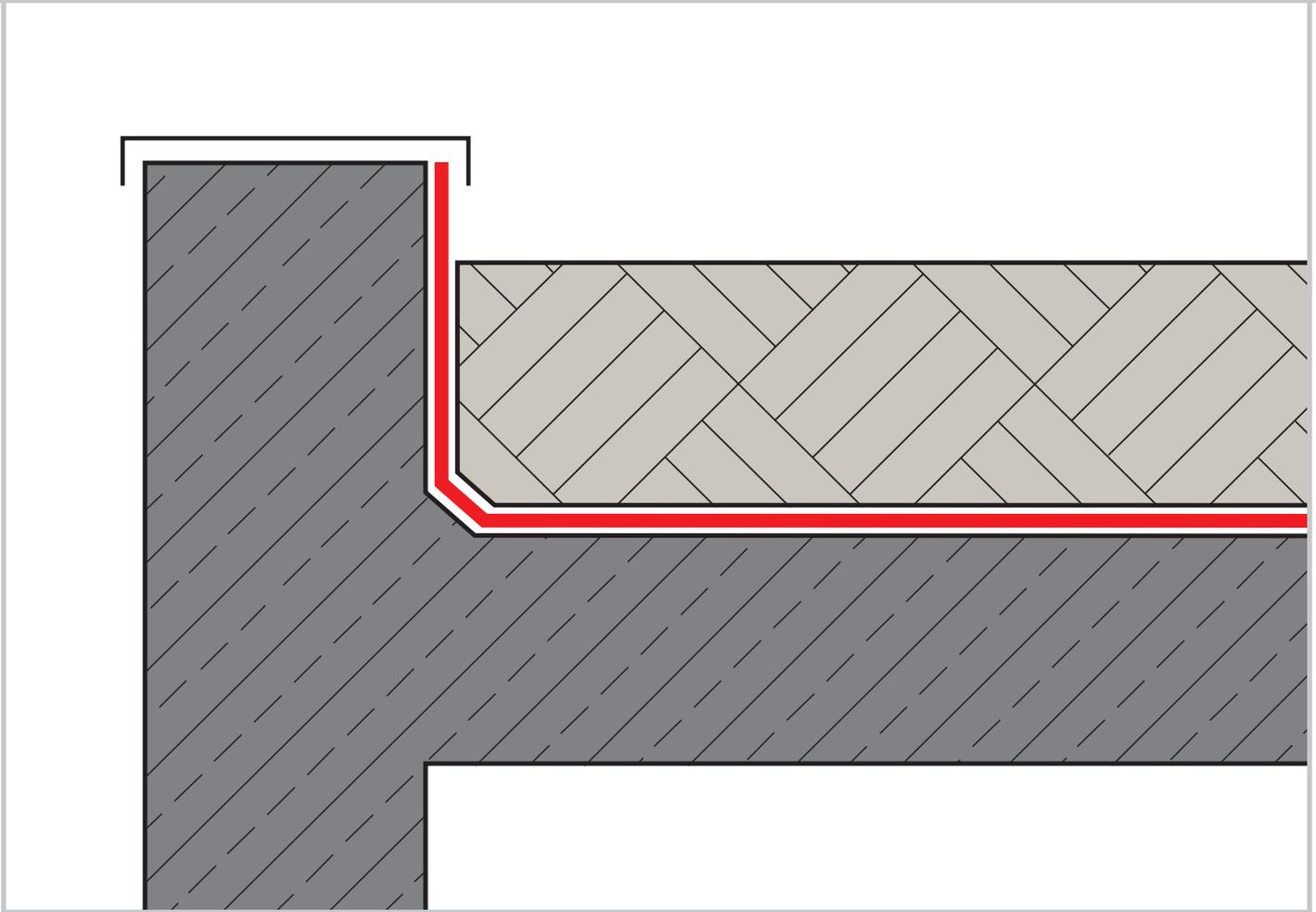
- extensive tests by Remmers application technology (AWETA = Applications Technology Department)
- AbP for Multi-Tight 2K bonded waterproofing

tested by:





UV RESISTANT
with long-term durability



FLAT ROOF WATERPROOFING

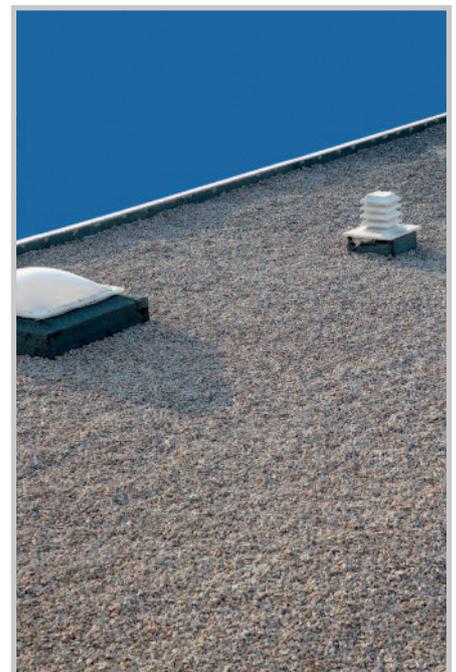
Multi-Tight 2K – durable weather-proofing

Horizontal and sloping ground bearing concrete building components (e.g. roof areas) may be waterproofed with Multi-Tight 2K against soil moisture, non-standing and standing seepage water. Multi-Tight 2K has a crack-bridging capability of up to 2 mm according to German National Standards, which define the transition onto concrete building components with high moisture penetration resistance, and therefore the otherwise required crack width limitation of 0.25 mm for flexible mineral-based waterproofing grouting no longer applies. The new feature for Multi-Tight 2K is weather-proofing, which makes it also suitable for use on flat roofs.

verification:

- in houstesting by the Bernhard-Remmers Institute according to EN 927-6, artificial creation of weather conditions with alternating conditions of rain and UV radiation.
- AbP according to PG-ÜBB test
- adhesive waterproofing for transition onto concrete building components with high moisture penetration resistance (inspection of joints)

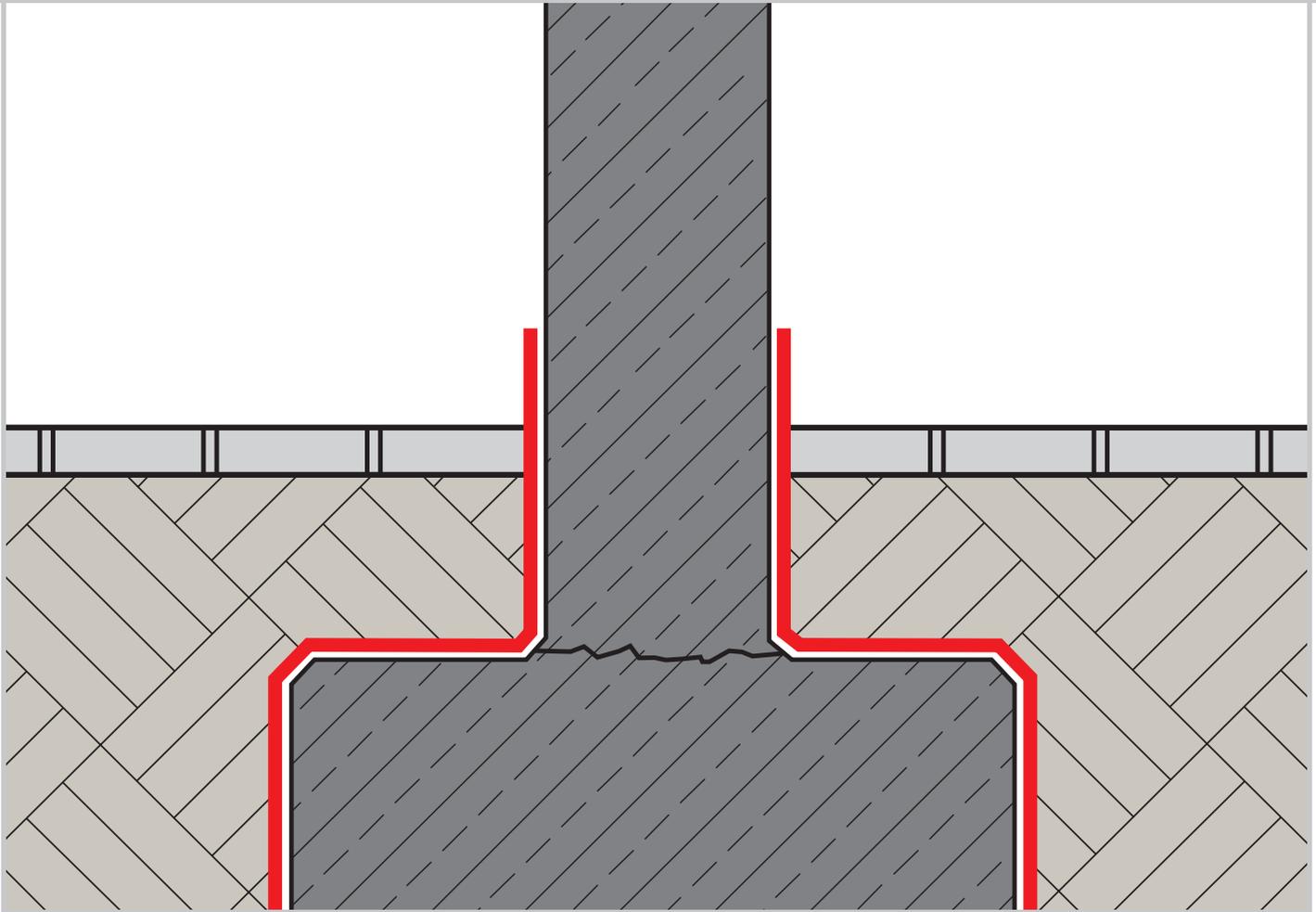
tested by:





FROSTPROOFING

protection from de-icing salts



FOUNDATION WATERPROOFING

Multi-Tight 2K - suitable waterproofing of construction joints

Below ground areas of load-bearing reinforced concrete structures have to be protected against moisture and chloride penetration, especially if there is a risk of crack formation or if the road surface is porous.

As this type of protection is not clearly regulated through a relevant directive with reference to any concrete restoration, the DBV (German Concrete and Construction Engineering Association) recommendations state that waterproofing has to be in accordance with DIN 18195. Beside the below ground waterproofing with crack-bridging capability of > 2 mm, Multi-Tight 2K can also be aesthetically enhanced by coating with Concrete Acrylic.

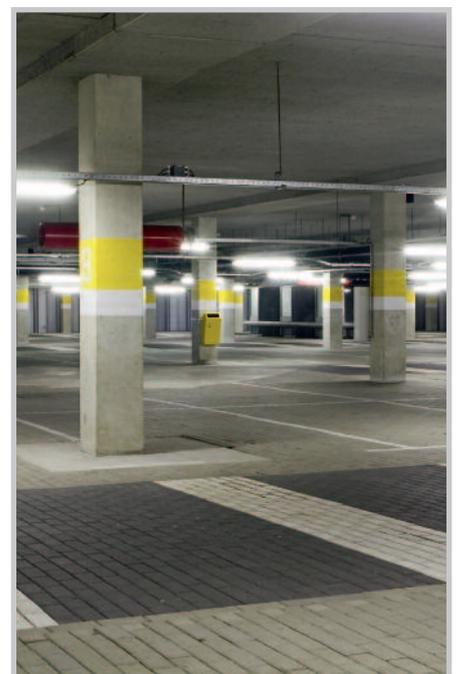
verification:

- DBV circular letter No 227, December 2010
- AbP according to PG-ÜBB test
- adhesive waterproofing for transition onto concrete building components with high moisture penetration resistance (joint inspection)
- resistant to frost and de-icing salts

tested by:



bernhard remmers 
Institut für Analytik
 Baustoffe, Farben, Lacke.



More information online:

www.remmers.co.uk

