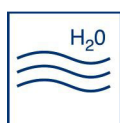




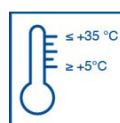
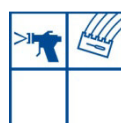
Technical Data Sheet Art. No. 0889

Profii Tight 2K S

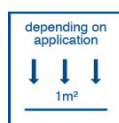
Sprayable, 2-component, building waterproofing
Polymer modified, bitumen thick coating with rubber fillers.
Top quality product for waterproofing buildings with a National Test Certificate



Water based

For use outdoors
and floor surfaces
indoorsWorking
temperatureAirless/Airmix
spraying
Applied with a
trowel

Working time

Application rate
per coatStore frost-free
and cool /
protected from
moisture

Shelf-life

Range of use

Remmers Profii Tight 2K S is used for waterproofing in below ground structures.

- Against ground damp and non-standing seepage water according to DIN 18195, part 4
- Against moisture on ceiling surfaces and in wet room in accordance with DIN 18195, part 5
- Against standing seepage water according to DIN 18195, part 6 and
- Against external water pressure.

For

- basement walls, foundations, floor slabs
- Pipes passing through walls with ground damp and non-standing seepage water
- For exterior strip waterproofing of construction joints in water impermeable concrete structures with Reinforcement Fabric 2.5/100 (see Examination Report)

Characteristic data of the product

Base:	polymer bitumen emulsion with special fillers
Density of ready to use mixture:	approx. 1.0 kg/dm ³
Consistence:	paste
Resistance to heat AIB:	+ 140° C
Water impermeability according to DIN 1048 / 7 bar:	passed
Cross-slit pressure test according to EN 15820:	passed
Time until thoroughly dry:* 20°C/ 70 % rel. humidity:	approx. 48 hours
Water vapour diffusion resistance:	μ = 13,000
Layer thickness:	1 mm fresh layer = 0.80 mm dry layer thickness

*Depending on weather conditions and the thickness of the fresh layer, the time given may be shorter or longer.

The values above represent typical product properties and are not to be understood as product specifications.

- Intermediate water proofing under screeds in:
 - Wet and damp rooms
 - Balconies (without living space below)
 - Terraces (without living space below)
- Also for use on combination construction (connection to water impermeable concrete)

Property profile

Remmers Profii Tight 2K S is an environment-friendly, solvent-free, highly reliable waterproofing for buildings that is very easy to apply

in a spraying procedure. It has outstanding properties and corresponds to DIN 18195.

- Environment-friendly because solvent-free
- Highly flexible, expansion capable and crack-bridging
- Can be sprayed airless
- Dense phase pressure conveying with air atomisation possible
- Resistant to water that attacks concrete up to a degree of 'strong attack' according to DIN 4030
- Resistant to algae, rot and de-icing salts
- Not hazardous to ground water
- Adheres to all cementitious substrates, even matt damp
- Can be applied directly to masonry without a layer of render
- Very quickly rain tight through reaction components
- For vertical and horizontal surfaces and beneath screeds

Substrate

All mineral substrates such as sand-lime brick, brick, pre-cast concrete stone, concrete, aerated concrete are suitable. The substrate must be clean and sound as well as free of oil, grease and release agents. Matt damp surfaces are permitted. The substrate must be solidly filled and plane. Remove projecting seams and the remains of mortar. Break or slope off corners and edges, especially on floor slabs and cantilevered slabs. Close indentations > 5 mm such as mortar pockets, open vertical and horizontal joints and broken out areas with Waterproofing Filler.

Waterproofing new buildings

Sealing cove:

Produce a sealing cove in the clean wall position area with a radius of 5 cm. To improve adhesion and to protect from moisture penetration from behind, basic silicification treatment consisting of Kiesol (diluted 1:1 in water) and Waterproofing Grout is applied from 15 cm below the upper edge of the slab up over the 2nd horizontal joint (however, at least 20 cm high).

Wet-on-wet, place a sealing cove made of Waterproofing Filler.

On wet substrates, silicification treatment should be executed over the entire surface.

If it has been ensured through constructional measures that moisture cannot penetrate from behind, only the sealing cove area is prepared by grouting. Surfaces without protection against the penetration of moisture from behind should be primed with Kiesol (diluted in water 1:1).

On dry substrates, Protective Coating (diluted 1 : 10 with water) can alternatively be used for priming.

A scratch coat of Profi Tight 2K S should be applied to concrete as well as substrates with profiled surfaces after priming. The material is sprayed on thinly and scratched with a float.

Vertical surface waterproofing:

After the primer Kiesol is air-dry or Protective Coating has thoroughly dried and the scratch coat has also thoroughly dried, two layers of Profi Tight 2K S are applied to the substrate. The second layer is applied as soon as the first has hardened sufficiently and will not be damaged when worked over.

The minimum application rates for each load case should be observed, checked in the fresh state and, in the case of standing seepage water and external water pressure, documented. Make sure that only the prescribed layer thickness is applied in sealing cove areas to ensure that the coating can dry thoroughly. If bedding of reinforcement fabric is required according to DIN 18195, part 6. Reinforcement Fabric 2.5/100, Art. No. 4176, should be worked into the first layer. Reinforcement fabric should always be placed over joints in the element.

Horizontal surface waterproofing:

When waterproofing against ground damp and non-standing seepage water, prime the floor slab as described for vertical surfaces with Kiesol (no pools). Apply Profi Tight 2K S in at least two uniform layers, pore-free. After the

waterproofing has thoroughly dried, two layers of PE sheet are placed over the waterproofing as a parting plane and for protection before the screed is placed. Waterproofing against standing seepage water or water pressure is carried out on the reinforced sub-layer of concrete beneath the floor slab. Carry out silicification treatment first. When waterproofing balconies, terraces and in wet cell areas, Profi Tight 2K is applied up to the upper edge of the finished floor or the horizontal barrier in the walls.

Joints, connection to water impermeable concrete

Prime the substrate to be coated with Kiesol (diluted 1:1 with water) approx. 5 cm beyond the edges of the intended width of the joint waterproofing.

Joint waterproofing with Profi Tight 2K S is then carried out in two working operations on the prepared substrate. The layer of Reinforcement Fabric 2.5/100 must extend over the entire width of the joint waterproofing. It is worked into the first layer of Profi Tight 2K S and completely covered by the second layer.

Pipes passing through walls

In cases of ground damp and non-standing seepage water, waterproof around pipes passing through walls flexibly with Profi Tight 2K S in cove form by applying a layer max. 10 mm thick. Roughen plastic pipes with sandpaper. Clean metal pipes and sand if necessary. Then prime with Iblack ST and blind with sand. After the solvents have flashed off, waterproof as described above. For moisture loads, pipes passing through walls are integrated in the waterproofing with adhesive flange or loose/fixed flange. Loose/fixed flanges must be used for standing seepage water. Pipe Flange can be used for all of the loads stated above.

Subsequent external waterproofing

Substrate preparation:

Clean the exposed substrate thoroughly. Remove all loose parts, friable joints and hollow render and renew with Remmers Undercoat Render. After the substrate has been properly prepared it can be waterproofed in the same manner as for new buildings. Any existing, tightly adhering bituminous waterproofing is primed after drying with Elastogrout 1K, Multi-Tight 2K or Ilack ST. Blind Ilack ST with fire-dried quartz sand, grain size up to 1.0 mm, while fresh. After the solvents have completely evaporated (at the earliest after 48 hours), apply two layers of Profi Tight 2K S. Repair basements without any bitumen waterproofing as for new buildings.

Protection/drainage layer

As soon as the waterproofing has thoroughly dried, it must be protected from mechanical damage and UV-radiation. To protect the waterproofing system, we recommend our DS System Protection, Art. No. 0823, which fulfils the requirements for filling protection in DIN 18195, part 10, and the Thick Coating Guideline and is also the vertical part of a drainage facility according to DIN 0823. Materials that exert a point or line load on the waterproofing should not be used.

Mixing/application

The two components are packaged in the proper mixing ratio. The bag of powder is found in the tin container. The anchor mixing tool (Art. No. 4249) must be used for mixing. Place the drill with anchor mixing tool in the bucket and mix the basic compound for approx. 30 seconds. Then add the entire quantity of powder to the bitumen emulsion and mix (mixing speed 700-900 rpm.) After approx. 30 seconds, mix any powder that still adheres at the bottom or on the walls of the container into the material with a slowly rotating mixing tool. Then mix for at least 2 more minutes while holding the

mixing tool at a slant (speed 700-900 rpm) until the material is lump-free and a homogeneous consistency has been achieved. Working time of the mixed material is > 90 minutes. Depending on temperature, working and setting time may be shorter or longer.

The layer applied should be as uniform as possible (target + 1 mm).

Notes

The ambient and substrate temperature should range between +5 and 35 °C. Do not apply in direct sunlight; work should be carried out observing the rules for applying render according to the position of the sun or in the morning or evening hours. In the fresh state the waterproofing is sensitive to rain and frost. This product is not suitable for waterproofing under elevated piles. Observe DIN 18195, the latest Thick Coating Guideline and the valid Technical Information Sheets for the products that are components of the system.

Before operating spraying equipment, rinse out first with Bitumen SHM (Art. No. 0881)! Because of differences in water hardness, the bitumen may cure inside spraying equipment while cleaning.

For this reason, we recommend adding Bitumen SHM to the water used for cleaning.

Tools, cleaning

Anchor mixing tool with an adjustable drill (1000 watt) or mixer (700 - 900 rpm.) Smoothing trowel, float, filling knife, tongue trowel, suitable spraying equipment. Spraying equipment should be rinsed and cleaned with water to which Bitumen SHM, Art. No. 0881, has been added (approx. 250 ml per 10 litres of water). Dried material can be removed with V 101 Thinner.

Packaging, application rate, shelf-life:

Packaging:

30 kg combination container, emulsion and powder component packaged in the proper mixing ratio (the powder is inside the can).

Application rate:

- Basic silicification treatment: 0.1 kg/m² Kiesol and 1.6 kg/m² Waterproofing Grout
- Sealing cove: 1.7 kg/m Waterproofing Filler
- Priming: 0.1 kg/m² Kiesol or Kiesol red

Alternative:

Approx. 20 g/m² Protective Coating

Coating:

- Ground damp and non-standing seepage water: At least 3.9 kg/m² Profi Tight 2K S
- Moisture: At least 3.9 kg/m² Profi Tight 2K S
- Standing seepage water: At least 5.0 kg/m² Profi Tight 2K S
- External water pressure: At least 5.0 kg/m² Profi Tight 2K S
- Scratch coat: Approx. 1.5 kg/m² Profi Tight 2K S
- Adhesive for cementing perimeter insulation: Approx. 1.5 kg/m² Profi Tight 2K S

Depending on how the material is applied, application rates may be higher.

Shelf-life:

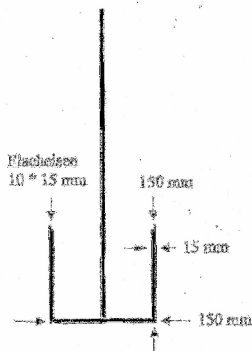
At least 12 months in closed, original containers stored frost-free, dry and protected from stronger heat.

Safety, ecology, disposal

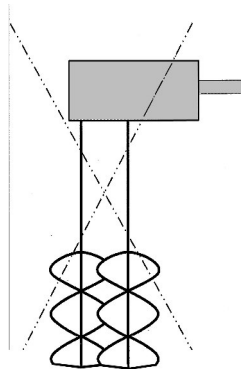
Further information on safety when transporting, storing and handling as well as disposal and ecology is found in the latest Safety Data Sheet.



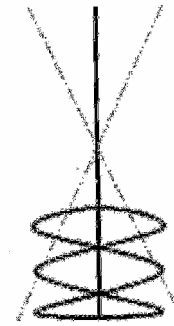
Notes on mixing tools




Anchor mixing tool, Art. No. 4249



Unsuitable mixing tools



	
0432 Remmers GmbH Bernhard-Remmers-Str. 13 D – 49624 Lönningen 14 GBI F 031-1	
EN 15814:2012 EN 15814; PMB-CB2-W2B-C2A Polymer modified, bitumen thick coating (PMBC) for waterproofing in below ground structures	
Water tightness	Class W2B
Crack-bridging ability	Class CB2
Water resistance	No colouration of the water No debonding from inlay
Flexibility at low temperature	No cracks
Dimensional stability at high temperatures	No sliding or draining down
Reaction to fire	Class E
Resistance to compression	Class C2A
Durability of water tightness and reaction to fire	passed

The statements above are compiled from our field of production and according to the latest technological developments and application techniques.

Since application and working are beyond our control, no liability of the producer can be derived from the contents of this information sheet. Any statements made beyond the contents of this information must be confirmed in writing by the producer.

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