



BIT 1K [basic]

- ECO 1K -

Solvent-free, polymer-modified 1K bituminous thick coating with polystyrene



Availability		
Quantity per pallet	44	18
Size / Quantity	10 l	30 l
Type of container	Plastic bucket	Plastic bucket
Container code	10	30
Art. no.		
020872	■	■

Application rate

Approx. 1.2 l/m²/mm dry layer thickness
See application rate table under Application examples for details



Range of use

- Waterproofing of new and old buildings with ground contact
- Water impact classes W1.1-E, W1.2-E, W2.1-E, W3-E and W4-E (splashing water only) as per DIN 18533
- Retrofit waterproofing of buildings according to WTA Code of Practice 4-6



Property profile

- Solvent-free
- Water pressure tight
- Highly flexible, elastic and crack-bridging
- Radon-tight (verified through testing)
- Resistant to bodies of water aggressive to concrete (DIN 4030 XA3)
- Resistant to algae, rot and de-icing salts



Characteristic data of the product

Base	Polymer-bitumen emulsion with polystyrene
Density of ready-to-use mixture	Approx. 0.65 kg/l
Crack-bridging	≥ 2 mm
Cross-slit pressure test (DIN 15820)	Passed
Dry residue	Approx. 85 vol%
Time until thoroughly dry (20 °C/70% relative humidity)	Approx. 4 days (depending on weather conditions and the thickness of the fresh layer, this time may be shorter or longer.)
Consistency	Paste-like, thixotropic

The values stated represent typical characteristic data of the product and are not to be understood as binding product specifications.

Certificates

- Examination report on impermeability to radon

Additional information

- Implementation report
- Environmental product declaration Deutsche Bauchemie e.V

Possible system products

- Kiesol (1810)
- Kiesol MB (3008)
- WP DS Levell (0426)
- Remmers waterproofing slurries

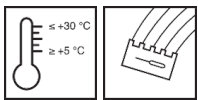


- > DS Protect (0823)
- > BIT Primer^[basic] (0824)
- > MB 2K (3014)
- > Ilack C (0814)
- > Pipe flange (4350)

Preparation

- Substrate requirements
Even-surfaced, mineral substrate.
Clean, dust-free and capable of supporting a load.
Prepare concrete substrates at wall/base transition areas by means of mechanical material removal.
Matt damp surfaces are permitted.
If necessary, provide damp proofing.
- Substrate preparation
Remove projecting seams and mortar remains.
Break off or slope corners and edges.
Smooth out inner corners using a suitable mineral mortar.
Close indentations > 5 mm using a suitable mineral material.
Prime absorbent mineral substrates with Kiesol MB or BIT Primer [basic] (1:10 in water).
If the substrate requires reinforcement (restoration), prime using Kiesol (1:1 with water).
Create a scratch coat using the product as a contact layer and in order to prevent blisters.

Directions



- Conditions for use
Temperature of the material, air and substrate: from min. +5 °C to max. +30 °C.
When applying a polymer-modified bituminous thick coating, the surface temperature of the substrate must be > 3 kelvins higher than the dew point temperature of the surrounding air.

Ready to use, straight from the container.
Remove any dried material adhering to the edge of the bucket.
Apply the product in two layers on the previously prepared substrate.
If a reinforcement fabric is required, embed into the first waterproofing layer.

Tips on use

In the case of liquid-applied waterproofing materials, direct sunlight and/or wind exposure can cause accelerated skin formation and accompanying blistering.
Do not apply any further sealing layers until the previous layer has hardened sufficiently.
Protect freshly coated surfaces from rain, direct sunlight, frost and condensation.
Protect dry sealant from mechanical damage and UV radiation.
Please contact Remmers Technical Service (phone +49 5432 83900) before applying with machine processing.

Application examples

Water impact class (according to DIN 18533)	Dry layer thickness (mm)	Wet layer thickness (mm)	Application quantity (l/m ²)	Yield 30 l (m ²)
W1-E Ground moisture and non-pressing water	≥ 3	approx. 3.6	approx. 3.6	approx. 8.3
W2.1-E* Moderate impact of pressing water (immersion depth ≤ 3 m)	≥ 4	approx. 4.8	approx. 4.8	approx. 6.25
W3-E Non-pressing water on earth-covered ceilings	≥ 4	approx. 4.8	approx. 4.8	approx. 6.25
W4-E Splashing water on the wall base	≥ 3	approx. 3.6	approx. 3.6	approx. 8.3

*Surface waterproofing only (no abP pursuant to PG-ÜBB)
Layer thickness margin according to DIN 18533
du = scratch coat; application rate approx. 0.6 l/m² (dependent on the substrate)
dv = - not necessary with layer thickness trowel
- without layer thickness trowel, application rate approx. 0.5 l/m² (dmin = 4mm)

Notes

Deviations from applicable regulations must be agreed separately.
The relevant test certificates must be observed when planning and carrying out work.
The special agreements as well as test certificates can be downloaded online at www.remmers.com.

Tools / Cleaning



Scoop, smoothing trowel, layer thickness trowel

Clean tools immediately after use with water.
Remove dried-on material using V 101 Thinner (0978).

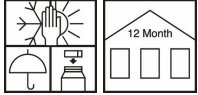
Remmers tools



- Schöpfkelle (4103)
- Schichtdickenkelle (4000)
- Profile Trowel (5047)
- Smoothing Trowel (4004)
- Glättkelle (4117)
- Smoothing Trowel Duo (4118)

Storage / Shelf life

If stored unopened in its original container in a cool, dry place and protected against frost, the product will keep for at least 12 months.



Safety data / Regulations

For further information on the safety aspects of transporting, storing and handling the product and on disposal and environmental matters, please see the current Safety Data Sheet.

Personal protective equipment

Respiratory protection with a particle filter P2 must be worn during spraying, together with protective goggles. Wear suitable protective gloves and clothing.

Disposal

Larger quantities of leftover product should be disposed of in the original containers in accordance with the applicable regulations. Completely empty, clean containers should be recycled. Do not dispose of together with household waste. Do not allow to enter the sewage system. Do not empty into drains.

Declaration of performance

- Declaration of performance

Declaration of conformity



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EN 15814:2011+A2:2014

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Polymer modified bituminous thick coatings (PMBC) for waterproofing in below ground structures

Watertightness:	Class W2A
Crack-bridging ability:	Class CB2
Water resistance:	No colouration of the water No debonding from inlay
Flexibility at low temperatures:	No cracks
Dimensional stability at high temperatures:	No sliding or draining down
Reaction to fire:	Class E
Resistance to compression:	Class C2A
Durability of watertightness and reaction to fire:	Passed

Please note that the data and information given above have been calculated as guidelines in the laboratory and from real-life experience and are therefore not binding as a basic principle.

This information is therefore of a general nature only and describes our products and how they are used and worked with. In this respect, it must be borne in mind that the varied and diverse nature of the

prevailing working conditions, materials used and construction sites encountered means that not every individual case can be covered. In this respect, we therefore recommend either conducting tests or liaising with us in the event of any doubt. Unless we have provided express written assurance of the products' specific suitability or characteristics in respect of a contractually stipulated intended use, any technical application-related advice or instruction will never

be binding, even though it is provided to the best of our knowledge. In all other respects, our general terms and conditions of sale and delivery shall apply.

When a new version of this Technical Data Sheet is published, it shall replace the previous version.