



## BIT 2K [basic]

### - ECO 2K -

Solvent-free, polymer-modified 2K bituminous thick coating with polystyrene



Availability	
Quantity per pallet	18
Size / Quantity	
Type of container	Plastic bucket
Container code	30
Art. no.	
020871	■

#### Application rate



Approx. 1.2 l/m<sup>2</sup>/mm dry layer thickness  
 Approx. 3.5 - 4.5 l/m<sup>2</sup> for full-surface insulation panel bonding  
 Min. 1.5 l/m<sup>2</sup> as perimeter insulation adhesive with pointwise bonding  
 See application rate table 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
- For attaching perimeter insulation panels
- Intermediate waterproofing under floating screeds

#### 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	Polystyrene-filled plastic-bitumen emulsion
Density of ready-to-use mixture	Approx. 0.75 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. 2 days
Consistency	Paste-like

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

#### Certificates

- [Implementation protocol](#)
- [Environmental product declaration, Deutsche Bauchemie e.V](#)
- [Untersuchungsbericht Radondichtigkeit](#)

#### Additional information

- [Application instructions for 2K PMBCs](#)

#### Possible system products

- [Kiesol \(1810\)](#)
- [Kiesol MB \(3008\)](#)



- WP DS Levell (0426)
- Tex 4.8/100 (4183)
- BIT ADD S (0869)
- Remmers waterproofing slurries
- DS Protect (0823)
- BIT Primer <sup>[basic]</sup> (0824)
- MB 2K (3014)
- Ilack C (0814)

**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**

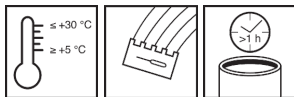
Remove projecting seams and mortar remains.  
 Break off or chamfer corners and edges.  
 Smooth out inner corners using a suitable mineral mortar.  
 Close indentations > 5 mm using a suitable mineral material.  
 Prime absorbent mineral substrates with Kiesol MB. Prime non-absorbent mineral substrates with 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.

**Production of the mixture**

■ **Combi-container**

Break up the powder component before adding to the bitumen emulsion.  
 Remove any dried material adhering to the edge of the bucket.  
 Briefly stir the bitumen base material.  
 Add the entire quantity of broken-up powder component to the bitumen emulsion.  
 Mix for approx. 30 seconds, stop mixing and allow the air introduced during mixing to escape.  
 Remove the powder adhering to the side.  
 Resume mixing and continue for at least 2 minutes.  
 Leave the anchor stirrer near the base throughout the mixing time.  
 See mixing instructions.

**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.

■ **Working time (+20 °C)**

> 1 hour

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 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 <sup>2</sup> )	Yield 30 l (m <sup>2</sup> )
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 ceiling	≥ 4	approx. 4.8	approx. 4.8	approx. 6.25
W4-E Splashing water at wall base	≥ 3	approx. 3.6	approx. 3.6	approx. 8.3

\* To be agreed separately for combination waterproofing in conjunction with water-impermeable concrete slabs.

Layer thickness margin according to DIN 18533

du = scratch coat; application rate approx. 0.6 l/m<sup>2</sup> (dependent on the substrate)

dv = - not necessary with layer thickness trowel

- without layer thickness trowel, application rate approx. 0.5 l/m<sup>2</sup> (dmin = 4mm)

## Notes

Current regulations and legal requirements must be taken into account and deviations from these must be agreed separately.  
The relevant test certificates must be observed when planning and carrying out work.  
Special agreements and certificates of suitability can be downloaded online at [www.remmers.com](http://www.remmers.com).  
Combination waterproofing in conjunction with water-impermeable concrete slabs must be agreed separately.

## Tools / Cleaning

Anchor stirrer, scoop, smoothing trowel, layer thickness trowel



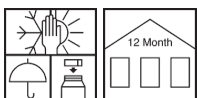
Clean tools immediately after use with water.  
Remove dried-on material using V 101 Thinner (0978).

### Remmers tools

- › [Collomix AR 170 \(4247\)](#)
- › [Ankerrührer \(4249\)](#)
- › [Collomix® HEXAFIX® Nachrüstadapter \(4283\)](#)
- › [Schöpfkelle \(4103\)](#)
- › [Schichtdickenkelle \(4000\)](#)
- › [Profile Trowel \(5047\)](#)
- › [Rundkelle \(4114\)](#)
- › [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



0432

**Remmers GmbH**

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GBI F 027-4

EN 15814:2011+A2:2014

0871

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
Dangerous substances:	Component B: see MSDS
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.