



Betofix KHB

Mineral corrosion protection and bonding layer

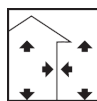
Colour	Availability		
	Quantity per pallet	130	42
	Size / Quantity	5 kg	25 kg
	Type of container	PE bag	PE bag
	Container code	05	25
	Art. no.		
grey	1087	■	■

Application rate

Approx. 1.8 kg/m² per coat



Range of use



- Interior and exterior use
- Protects against corrosion
- In the Betofix concrete repair system for concrete coverage ≤ 10 mm
- Bonding layer on mineral building material surfaces
- System component PCC/M3 system

Property profile

- Active anti-rust pigments
- Plastic-modified
- High tensile adhesion strength
- Listed in BAST
- Certified in accordance with DIN EN 1504-7
- Sulphate-resistant

Characteristic data of the product

Water requirement	Approx. 1.0 - 1.1 l/5 kg Corrosion protection 5.0-5.2 l/25 kg Bonding layer 5.0-5.5 l/25 kg
Bulk density	Approx. 1.3 kg/l
Maximum grain size	≤ 1.0 mm
External surveillance	QDB and KIWA
Bond strength (28 d)	≥ 2.0 N/mm ²

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

Certificates

- [EC certificate no. 0921-CPR-2078](#)
- [Test report I2222D020-PB0168-21_sulphate resistance](#)

Possible system products

- [Betofix R4 \(1096\)](#)
- [Betofix R4 SR \(1084\)](#)
- [Betofix R4 EM ^{\[basic\]} \(1086\)](#)

Preparation

- **Substrate requirements**
Clean, dust-free and capable of supporting a load.
- **Substrate preparation**
Reinforcement:
Degree of purity SA 2 ½ if applying corrosion protection, otherwise SA 2



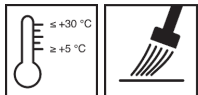
Production of the mixture



Mixing

Pour water into a clean container and add dry mortar.
Mix thoroughly for approximately 3 minutes until the proper consistency for working has been achieved.

Directions



Conditions for use

Temperature of the material, air and substrate: from min. +5 °C to max. +30 °C.
Low temperatures increase, while high temperatures decrease the working and setting time.

Working time (+20 °C)

Approx. 60 minutes

Corrosion protection

Apply two layers of slurry with a thickness of min. 1 mm each, making sure the entire surface is covered.
Waiting time between layers: approx. 30 minutes.

Bonding layer

Using a suitable tool, apply the product as a contact layer.
Carry out subsequent work wet-on-wet within the processing time.

Tips on use

Once it has hardened, mortar must not be made workable again by adding either water or more wet mortar.

Notes

The mixing water must be of drinking water quality.
Betofix R4 PCC concrete replacement system does not require a separate bonding layer (see basic examination for system structure).
The characteristic data of the product were calculated under laboratory conditions at 20°C and 65% relative humidity.

Tools / Cleaning

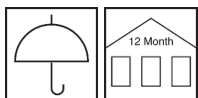


Mixing tool, brush
Clean tools with water while the material is still fresh.

Remmers tools

- > **Mischgefäß (4030)**
- > **Collomix® Stirrer KR (4292)**
- > **Flächenstreicher (4540)**
- > **Heizkörperpinsel (4541)**

Storage / Shelf life



If stored in an unopened container and in a dry place, the product will keep for approx. 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.

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



0921

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GBI-P 6-3

EN 1504-7: 2006

1087

Reinforcement corrosion protection product

Shear adhesion: Pass

Corrosion protection: Pass

Dangerous substances: NPD

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.