

#### Note on English translation / Hinweise zur englischen Fassung

This is a translation of the technical data sheet valid in Germany.

All stated details and properties are in compliance with the regulations of the German standards and building regulations. They are only applicable for the specified products, system components, application rules, and construction details in connection with the specifications of the respective certificates and approvals.

Knauf Gips KG denies any liability for applications outside of Germany as this requires changes acc. to the respective national standards and building regulations.



#### Plaster and Façade Systems

# P546b.de

Product Data Sheet

2017-09



## Rotband Beto M Basis

Pasty machine concrete base filler

#### Product description

Rotband Beto M Basis is an organic filling compound with additives and fillers on a calcium carbonate basis with polymer dispersion binder for application in interiors.

#### Storage and transport

Protect against frost, high temperatures and exposure to direct sunlight. Can be stored at room temperature for at least 12 months.

#### Quality

In compliance with EN 15824, the product is subject to initial type testing and continuous factory production control and bears the CE marking.

#### Properties and added value

- Ready mixed
- Organic
- Good filling properties
- Quick drying
- Good adhesive properties

- Coat thickness up to 3 mm per layer
- Machine application
- Solvent and plasticizer-free acc. to VdL-RL01
- VOC content < 0.1 % and < 1 g/L acc. to RL 2004/42/EC
- The product complies with the DGNB quality levels QS 1, 2, 3 and 4 as well as the requirements acc. to LEED v4

#### Field of application

- Full surface levelling of on-site formwork concrete and concrete surfaces with many voids and/or large unevenness
- Bedding of fleece layer
- Creation of a substrate or levelling layer for subsequent application of Rotband Beto M

## Application

### Substrate and pretreatment

Repair and fill large flaws with a gypsum filler/plaster (e.g. Multi-Finish/ Rotband bonding plaster) and allow to fully dry. Repaired flawed areas should not be smoothed and any existing sinter skin should be removed. Pretreat tiling substrates with Spraykontakt primer.

Fill the prefabricated unit joints first (e.g. with Multi-Finish), and if required, create a smooth and level transition to adjoining components in a second run if necessary. If the surface is to be painted afterwards, use of Fugendeckstreifen Kurt joint tape is recommended (refer to Product Data Sheet P511.de).

### Preparation

Check the substrate in acc. to VOB part C, DIN 18363, part 3. All substrates must be stable, dry, even and free of grease and dust as well as free of any residual substances that may reduce the adhesion. Cover easily-soiled building components before commencement in accordance with Code of Practice "Abklebe- und Abdekarbeiten für Maler- und Stuckateurarbeiten - Masking and covering for painting and stucco work" (German only) issued by the Bundesverband Ausbau und Fassade.

### Machines / equipment

For spray application the best spray pattern delivery with the PFT Swing is achieved using a reversible tip type 541 and approx 110 bar operating pressure. Optimum pressure settings and nozzles can be determined by testing on the surface concerned.

### Mixing

Rotband Beto M Basis is ready-to-use and is pumped or sprayed with airless machines such as PFT Swing or similar.

The setting characteristics of the material can be adjusted by adding and stirring in a (maximum 1 %) quantity of clean water (e.g. 200 ml water for 20 kg Rotband Beto M Basis). Apply diluted material promptly.

### Application

Spray on Rotband Beto M Basis with the airless machine in a thickness of up to 3 mm and spread it with stainless steel tools. With multiple layers, the overall maximum layer thickness is 5 mm.

### Surface reinforcement

Apply the material using an airless machine. Ensure that no flaws occur and only apply a single width. Bed the fleece directly after application. Embed the fleece on the entire surface, e.g. press in well with a plastic trowel, roller or surface leveller. The layer thickness under the fleece may not be less than 1 mm after the fleece is pressed in. Should a second material layer be applied on the fleece (e.g. as with glass fibre fleece), it should only be applied when the primary layer under the fleece has fully dried. Application is once again undertaken using an airless machine. The base filler is subsequently levelled with a wide spatula held flat without pressure being applied. When fully dry, the surface can be sanded as required.

### Application temperature / climate

Do not apply with air, material and/or substrate temperature below +5 °C. Protect the applied filler material against frost until fully hardened and dry.

### Application time

The material hardens by drying.

Open time after spray application: Depending on the plaster substrate, application thickness and room temperature approx. 20 minutes.

### Cleaning

Clean the machines and tools with water immediately after use.

### Coatings and linings

Always pretreat and prime surfaces filled with Rotband Beto M Basis before the application of coatings and linings (wallpapers) in accordance with Code of Practice no. 6 of the BVG "Vorbehandlung von Trockenbauflächen aus Gipsplatten zur weitergehenden Oberflächenbeschichtung bzw. bekleidung" (German only)

Use only adhesives made of methyl cellulose according to BFS Code of Practice no. 16 "Technische Richtlinien für Tapezier- und Klebearbeiten" released by the Bundesausschuss Farbe und Sachwertschutz in Frankfurt/Main (German only). After wallpapering with paper or fibre glass wallpapers as well as after application of resin / cellulose plasters, quick drying must be ensured through adequate airing.

Rotband Beto M Basis is not suitable as a substrate for tiles.

### Technical data

Description	Unit	Value	Standard
Reaction to fire	Category	A2-s1, d0	EN 15824
Density	g/cm <sup>3</sup>	1.3	–
Colour shade	–	White	–
Bond strength	MPa	≥ 0.3	EN 15824
Grain size	µm	≤ 500	–
pH value	–	8 – 9	–

*The stated technical data were evaluated acc. to the respective test standards. Deviations under site conditions are possible.*

### Material requirement and efficiency

Application	Consumption approx. kg/m <sup>2</sup>	Yield approx. m <sup>2</sup> /package
Rotband Beto M Basis, per mm coat thickness	1.3	15.4

*The exact consumption can only be determined with a test application on the individual object.*

### Product range

Product designation	Application	Packaging unit	Material number	EAN
Rotband Beto M Basis	20 kg bucket	33 buckets	00518210	4003982339546
	20 kg tubular bag	50 bags	00548266	4003982401496



The iPad App Knauf Infothek now provides all the current information and documents from Knauf Gips KG at any time and in every location in a clear and comfortable way.

[Knauf Infothek](#)

**Knauf Direct**

Technical Advisory Service:

▶ [knauf-direkt@knauf.de](mailto:knauf-direkt@knauf.de)

▶ [www.knauf.de](http://www.knauf.de)

**Knauf Gips KG** Am Bahnhof 7, 97346 Iphofen, Germany

All technical changes reserved. Only the current printed instructions are valid. The stated information represents current state-of-the-art Knauf technology. The entire state of approved engineering rules, appropriate standards, guidelines, and rules of craftsmanship are not included herewith. These and all application instructions have to be adhered to separately by the installer. Our warranty is expressly limited to our products in flawless condition. All application quantities and delivery amounts are based on empirical data that are not easily transferable to other deviating areas.

All rights reserved. All amendments, reprints and photocopies, including those of excerpts, require our expressed permission.