

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

This is a translation of the product 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

# P546a.de

Product Data Sheet

2019-09



## Rotband Beto M

Spray-applied readymix plaster for concrete

#### Product description

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

#### Storage

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 softener free acc. to VdL-RL01
- VOC content < 0.1 % and < 1 g/l acc. to RL 2004/42/EC
- The product is compliant with German Sustainable Building Council (DGNB) quality levels QS 1, 2, 3 and 4 as well as the requirements of LEED v4

## Field of application

- Full surface levelling of prefabricated concrete units such as filigree ceilings and even concrete surfaces
- Bedding of fleece layer
- Thin layer filling of common and level substrates
- Manufacture of surfaces for all quality levels

## 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. Any existing sinter skin should be removed. Cover easily-soiled building components before commencement in accordance with Code of Practice "Abklebe- und Abdeckarbeiten für Maler- und Stuckateurarbeiten - *Masking and covering for painting and stucco work*" (German only) issued by the Bundesverband Ausbau und Fassade.

### Machines / equipment

Remove the pump filter when using the PFT Samba XL.

The best spray pattern during spraying can be achieved with:

- PFT Samba XL: Reversible tip type 535, operating pressure approx. 160 bar
- PFT Swing Airless: Reversible tip type 541, operating pressure approx. 110 bar

Optimum pressure settings and nozzles can be determined by testing on the surface concerned.

### Mixing

Rotband Beto M is ready-to-use and is pumped or sprayed with airless machines such as PFT Samba XL, 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). Apply diluted material promptly.

### Application

Spray on Rotband Beto M with the airless machine in a thickness of up to 3 mm and spread it with stainless steel tools. For particularly smooth surfaces, apply a thin skim coat after setting and drying using fresh material. If necessary, the surface can be sanded with a hand held sander or grinder with shaft (e.g. Giraffe) when fully dry. With multiple layers, the overall maximum layer thickness is 5 mm.

### Sanding recommendation

For orientation purposes we recommend sanding using the following machines and abrading media:

- Full surface wall and ceiling using Festool Planex, sander disc SW, abrasive net media Granat Net P240 and a vacuum setting.
- Corners and small surfaces using Festool hand sanders (e.g. RTS/C, DTS/C, ETS EC 150/5), sander disc STF and abrasive net media Granat Net P320.

Vacuum extraction of the dust is recommended for health reasons. It also significantly improves the sanding result.

## 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 rust-free (stainless-steel) tools. 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 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 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.

<b>Note</b>	Rotband Beto M is not suitable as a substrate for tiles.
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## Technical data

Description	Standard	Unit	Value
Reaction to fire	EN 15824	Class	A2-s1, d0
Density	–	g/cm <sup>3</sup>	1.55
Colour shade	–	–	White
Bond strength	EN 15824	MPa	≥ 0.3
Grain size	–	µm	≤ 250
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

Coat thickness mm	Consumption approx. kg/m <sup>2</sup>	Yield approx. m <sup>2</sup> /package
1.0	1.55	12.9

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	20 kg bucket	33 buckets/pallet	00493489	4003982325471
	20 kg tubular bag	50 bags/pallet	00493490	4003982325488

## Sustainability and environment

Short description	Value
Requirements of the German AgBB-scheme	Compliant
Corresponds to the French emissions class	A+
VOC content acc. to RL2004/42/EC	< 0.1 %, < 1 g/l
Solvent-free and softener-free acc. to VdL-RL01 (Revision 4)	Yes
Available certificates	IBR
Environmental Product Declaration	EPD-KNA-20190091-IBG1-DE



**Observe safety data sheet!**

For safety data sheets and CE marking see  
[pd.knauf.de](http://pd.knauf.de)



Videos for Knauf systems and products can be found under the  
following link:  
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