

# BKM FBM Fill and Borehole Mortar

Mineral dry mortar  
technical data sheet

**Article-No.: 031 003 4004**    **250g bag**  
**Article-No.: 031 001 4003**    **5kg bucket**  
**Article-No.: 031 002 4003**    **10kg bucket**

## Product description

BKM FBM is a mineral dry mortar with capillary absorbency, used for filling boreholes and cavities in masonry. The mortar cures without shrinking and remains vapor permeable. It is specifically designed for sealing boreholes after injection with BKM HZ250 Pro, BKM HZ125, Novusan, and BKM HZ-C injection cream, and is compatible with these products.

## Product advantages

- Cures without shrinking
- Adjustable to high flowability
- Highly capillary absorbent
- Promotes the distribution of BKM HZ injection products

## Specification

<b>Material base:</b>	Dry mortar for work
<b>Consistency:</b>	Flowable mortar
<b>Grain size, max:</b>	< 0,5mm
<b>Fresh mortar density:</b>	Approx. 2 kg/dm <sup>3</sup>
<b>Flow measurement:</b>	Approx. 30 cm
<b>Compressive strength (28 days):</b>	Approx. 15 N/mm <sup>2</sup>
<b>Yield, liters:</b>	Approx. 3,3 l per 5 kg
<b>Substrate / processing temperature:</b>	From 5 °C to 30 °C
<b>Processing time:</b>	Approx. 60 minutes
<b>Hardening in 24 hours.:</b>	Minimun 1 mm
<b>Consumption per liter - cavity:</b>	Approx. 1,4 kg/l
GISCODE: ZP1	

## Application areas

- For the force-fit filling of boreholes
- For filling voids in masonry
- Suitable for indoor and outdoor use

## Product application

### Tools / Equipment

- Mixing tool (approx. 500—700 rpm)
- Appropriate mixing paddle
- Electro-pneumatic drilling device
- for borehole sealing
  - Trowel/smoothing trowel
  - Spatula or jointing iron
  - Mortar cartridge

- for void filling
  - Injection packers
  - Suitable injection system
  - Foot lever press
  - Piston pump

## Surface preparation

Clear existing boreholes from drilling dust.

## Mixing

Put 1 to 1.5 liters of BKM FBM per 5 kg of clean water into a mixing bucket and mix it free of lumps with a stirring device. The mixing time is approximately 3 minutes.

## Repairing voids

Properly insert the BKM FBM through the prepared boreholes in the masonry, either without pressure or using special packers in pressure injection method.

## Comments

Please protect surfaces not to be treated before applying BKM FBM! Not suitable for injection into gypsum- and clay-containing masonry.

Filling voids in aerated concrete is only permitted in conjunction with a prior hydrophobization using BKM HZ250 Pro, BKM HZ125, or Novusan.

## Packaging unit

250g bag	Article-No.: 031 003 4004
5kg bucket	Article-No.: 031 001 4003
10kg bucket	Article-No.: 031 002 4003

## Storage

Store the product in a cool, dry place and protected from direct sunlight. Keep it in the original container for at least 12 months. Open containers should be used up promptly.

## Disposal

For disposal, hardened product residues can be disposed of according to waste key AVV 17 01 01.

## Legal notice

The above information, in particular the suggestions for processing and use of our products, are based on our knowledge and experience under normal circumstances, provided that the products have been stored and applied correctly. Due to the different materials, substrates and divergent working conditions, a guarantee of a working result or a liability, regardless of the legal relationship, cannot be justified on the basis of these instructions or verbal advice, unless we are accused of intent or gross negligence in this respect. In this respect, the user must prove that all knowledge necessary for a proper and promising assessment by BKM was provided to BKM in writing, in time and in full. The user must check the suitability of the products for the intended application. We reserve the right to make changes to product specifications.

Proprietary rights of third parties must be respected.

The latest product data sheet applies and must be requested from us. The responsibility for the successful application of our products lies with the user, as the use is beyond our control. However, we ensure the quality of our products in accordance with our conditions of sale and delivery, without guaranteeing the success of their application. Our data sheets represent advice based on our best knowledge, but no obligation can be derived from them. Our written consent is required to guarantee properties and application possibilities that go beyond the information recorded in the data sheets.

**Further information can be found at:**

**[www.bkm-mannesmann.de](http://www.bkm-mannesmann.de)**