

# BKM HS Cove and barrier mortar

up to 30 mm for wall and floor surfaces  
technical data sheet

Article-No.: H-001-908



## Product description

### Product advantages

- For indoor and outdoor use
- Shrinkage compensated
- Fast setting
- Water repellent
- Sulphate resistant
- Layer thicknesses from 3-30 mm
- Very supple
- High stability
- Quickly recoatable
- Diffusible

### Specification

<b>Base:</b>	Sand, cement, high quality additives
<b>Color:</b>	light gray
<b>Water requirement:</b>	approx. 4,50–5,25 l / 25 kg approx. 1,10–1,30 l / 6 kg
<b>Bulk density:</b>	approx. 1,6 kg/dm <sup>3</sup>
<b>Substrate/processing temp.:</b>	+5 °C to +30 °C
<b>Processing time*:</b>	approx. 30 min.
<b>Revisable*:</b>	after approx. 3 hours
<b>Flexural strength after 28 days:</b>	approx. 5,0 N/mm <sup>2</sup>
<b>Compressive strength after 28 days:</b>	approx. 20,0 N/mm <sup>2</sup>
<b>Water absorption coefficient w<sub>24</sub>:</b>	< 0,1 kg/m <sup>2</sup> × h <sub>0,5</sub>

### Application areas

BKM HS is suitable for the production of mineral coving and waterproof wall plaster. Layer thicknesses of up to 30 mm can be applied in a single operation. Furthermore, it can be used to level voids and breakouts in masonry. Even in critical applications such as high humidity, low temperatures, etc., BKM HS can be applied safely and without long waiting times due to its reactive properties.

\* The data apply to +23°C/50 % relative humidity.  
Higher temperatures accelerate, lower temperatures slow down the curing process.

## Product application

### Surface preparation

BKM HS must be applied to a load-bearing, largely even substrate. The surface must be self-contained, free of dust and free of substances that reduce adhesion (e.g. oils or paints) The substrate may be damp but not wet.

### Processing

BKM HS is mixed lump-free with an addition of water of approx. 4.-5-5.25 l. A suitable stirrer (approx. 500-700/min) should be used for this purpose.

After a mixing time of approx. 2-3 minutes, a smooth and pasty mortar should have been produced, which must be remixed after a maturing time of 5 minutes.

The plaster is then applied according to the rules of the plastering technique.

BKM HS can be processed with all common continuous mixing pumps (e.g. PFT G4, Fa PFT, Iphofen or HighPump Basic, Fa HTG-HIGH TECH Germany GmbH, Berlin ).

### Machine equipment

<b>Hose length:</b>	max. 30 m
<b>Hose size:</b>	25–35 mm
<b>Stator/Rotor:</b>	D6–3
<b>Post-mixer:</b>	Rotor-mix spray head for scratch plaster Nozzle size: >14 mm
<b>Water addition:</b>	approx. 280–300 l/h

### Area legalizations

Layer thicknesses of up to 3 cm can be applied in one operation. BKM HS is then applied in the desired layer thickness by means of a scratch filler.

The surface is then troweled off with suitable tools. After an appropriate waiting time, the surface can be rubbed down using a rubbing, felt or sponge board.

The plaster can be rafted after approx. 60-80 minutes. In this way, any unevenness can be removed and the resulting surface is suitable for applying further layers of plaster.

### Repair of defects

The prepared voids are to be pre-wetted at the break-out edges with a damp cloth and then filled with BKM HS flush with the surface.

Deep holes or defects must be filled in advance with a scratch filler. Finish the last leveling layer with a rubbing, felt or sponge board.

### Production of mineral fillets

#### (internal corners and wall/floor junctions):

Pre-slurry the prepared substrate with BKM DS-1K and, fresh in fresh, install and round off a cove of BKM-HS with a minimum side length of 4 cm.

Depending on the object, the mineral cove can be recoated with the respective waterproofing system after approx. 3 hours at the earliest. High temperatures shorten, low temperatures extend the drying time.

### Consumption

- Surface leveling: approx. 1.4 kg/m<sup>2</sup>/mm layer thickness
- Mineral coving: approx. 3.0 kg/m

### Comments

- Protect surfaces not to be treated from the effects of BKM HS.
- Do not make already stiffened BKM HS mortar workable again by adding water or fresh mortar, as there is a risk of insufficient strength development!
- Protect BKM HS from drying out too quickly (e.g. due to high temperatures or wind, by suitable measures, such as repeated spraying with water or covering).
- Protect BKM HS from the effects of the weather, e.g. rain, frost, strong sunlight, wind, etc., until it is completely dry.

### Packaging unit

25kg bag

### Storage

dry, 6 months in the original sealed container, use up opened containers immediately

### 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)