

# BKM FA Flat roof waterproofing

Synthetic bonding system  
technical data sheet

**Article-No.: H-001-985**    **20kg Bucket**    **BKM FA Flat roof waterproofing**  
**Article-No.: H-001-988**    **10kg Canister**    **BKM FA Adhesive primer**  
**Article-No.: H-001-990**    **1 Roll 10m**    **BKM FA Textile fleece**



## Product description

BKM FA Flat roof waterproofing is an easy-to-apply special coating for sealing and bonding flat roofs, roof terraces, garages and carports. The product can also be used on old bitumen waterproofing.

BKM FA is a permanent moisture protection, weather and UV resistant and has a high diffusion resistance against harmful gases due to its special formulation.

Concrete is protected from pollutant emission by the very good water vapour permeability, which preserves the alkalinity that protects the reinforcing steel from corrosion.

BKM FA is only suitable for unused roofs and surfaces and must not be used in the area of validity of DIN 18531. A minimum slope of at least 2% must be observed. Standing water on the waterproofing over a longer period of time must be avoided at all costs!

### Specification - BKM FA Flat roof waterproofing

**Density:** 1,4 g/cm<sup>3</sup>  
**Color:** light grey and brown  
**Consistency:** thick  
**Layer thickness:** 0,5 mm  
**Viscosity:** approx. 10.000 mPas  
**Flame behaviour:** DIN 4102, B2  
**Processing temp.:** +5°C - +25°C

### Specification - BKM FA Adhesive primer

**Density:** 1g /cm<sup>3</sup>  
**Color:** milky blue  
**Consistency:** low viscosity  
**Processing temp.:** +5°C - +25°C  
**pH. value:** 9

### Specification - BKM FA Textile fleece

**Base:** Polypropylene  
**Color:** white  
**Solidification:** thermal  
**Weight:** 50g/m<sup>2</sup>  
**Thickness:** approx. 300my  
**Max. tensile force longitudinal:** approx. 115N  
**Max. tensile force transverse:** approx. 90N  
**Elongation longitudinal:** approx. 95%  
**Elongation transverse:** approx. 95%

## Areas of application

Prevents moisture penetration of the substrate and thus serves as a protective layer against moisture for flat roofs and roof terraces that cannot be walked on.

## Product application

### Surface preparation

The substrate must be sound, load-bearing, dry and free from cement slurry, separating substances and porous materials. Loose old bitumen (bitumen blisters) must be removed before application.

### Absorbent surfaces

For absorbent substrates, prime with BKM FA Adhesion Primer. The primer must be stirred well before use and then applied evenly with a soft brush, tassel or broom. The consumption is approx. 100-250 g /m<sup>2</sup>.

The drying time depends on temperature, humidity and absorbency of the substrate and is approx. 2 hours at +20°C and 50% relative humidity.

After the primer has dried, BKM FA can be applied.

### Material application

Mechanically stir BKM FA well before application so that the solids are evenly distributed in the coating. Apply with a trowel or soft broom in two layers, 0,6-1kg/m<sup>2</sup> per layer. Immediately after application, the BKM FA Textile fleece is inserted into the first, still damp layer, after which the second layer is applied "fresh-in-fresh". It is not recommended to apply the second coat with a fur roller, as the fleece could detach from the substrate when rolled over.

The tile overlaps at butt joints must be 3 cm.

Upstands should also be tiled.

It must not rain during application and drying. In case of strong sunlight, the coating must be protected by shading.

### Final coating

As a final coat, dry quartz sand (grain size up to 0.7mm) is to be applied to the still fresh layer using the trickle method. The consumption is approx. 1kg/m<sup>2</sup>. To prevent the formation of waves in the coating, the quartz sand must not be thrown, but applied in a scattering method. Do not walk on the coating before and during sanding. The use of nail shoes etc. is not permitted. After the coating has dried, the unbound quartz sand is vacuumed off with an industrial vacuum cleaner.

## Consumption

BKM FA:	depending on substrate approx. 0.6-1kg/m <sup>2</sup> per layer
BKM FA Adhesive primer:	depending on absorbency approx. 100-250mg/m <sup>2</sup>
BKM FA Textile fleece:	approx. 2.20m/m <sup>2</sup> (overlap included)

## Comments

Not a hazardous substance as defined by the Ordinance on Hazardous Substances. EU limit values for VOC content, category i (wb) = 140 g/l. VOC content of the product less than 10 g/l

## Packaging unit

BKM FA:	
20 kg bucket / 32 buckets (pal.)	Article-No.:H-001-985
BKM FA Adhesive primer:	
10kg canister / 50 canister (pal.)	Article-No.:H-001-988
BKM FA Textile fleece:	
1 Roll 10m (50cm wide)	Article-No.:H-001-990

## Drying time

Depending on temperature, humidity, air movement and layer thickness. At +20°C and 50% rel. humidity the drying time is 2 hours.

## Cleaning the tools

Clean tools and dirty areas with water immediately after use.

## Storage

At least 12 months in cool and frost-free storage in original sealed containers.

## Ecology

Remaining empty containers can be disposed of through the Green Dot via the Dual System Germany.

## 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)**