

## Bitumen coating for structural waterproofing, highly flexible

With official test certificate

### Characteristics

**IMBERAL® Emuflex 20B** is an odourless, pasty, highly flexible, rubber-tempered sealing compound on bitumen base. It hardens into a seamless, foil-like and watertight coat.

- Resistant to heat and cold
- Easy to process
- UV and weathering resistant
- Universally usable

### Use

**IMBERAL® Emuflex 20B** for waterproofing components that come in contact with the ground, against ground moisture and storage water pressure on vertical and horizontal outer and inner surfaces.

On plastered brickwork, concrete, plaster MG P II and P III.

### Areas of application:

- Basements
- Roof surfaces, balconies and terraces
- Vertical and horizontal surfaces
- Indoors and outdoors
- Renovating bituminous seals
- Extra protection on waterproof concrete

### Specifications

Packaging	PE bucket
Barrel	23 kg
Delivery form	24 barrels/pallet
Density	1.12 kg/l
Processing temperature	+5 °C to +35°C
Heat resistance	+120°C, no run-off
Cold cracking (33 mm mandrel)	-15 °C
Elongation at fracture	> 900% at +20°C
Max. tensile strength	approx. 0.25 N/mm <sup>2</sup>
Crack bridging	
- without fabric inlay	> 2 mm at +4 °C
Rain resistant <sup>1)</sup>	after approx. 3 hours
Drying time <sup>1)</sup>	after 12 - 24 hours
Storage	frost-free, 12 months

### Quantity required

Ground moisture	1.5 kg/m <sup>2</sup>
multi-layer paint up to water	3.0 kg/m <sup>2</sup>
Flat roofs, Accumulated water or confined	3.0 kg/m <sup>2</sup>

<sup>1)</sup> At +20 °C and 60% relative atmospheric humidity.

## Preparation of the surface

The substrates must be firm, capable of taking up loads, free of dust, dirt and mortar residues.

Clean the base projections thoroughly. Remove sinter layers and impurities. With coarse pore, absorbent mineral substrates, use **IMBERAL® Aquarol 10D** as a primer coat.

Old bitumen sealing that has stuck fast can be reworked after cleaning.

The brickwork must be fully grouted.

Bubble formation through deep pores or hollows in concrete should be prevented by scratch plastering.

## Application

1. The **IMBERAL® Emuflex 20B** is applied with a roller, sponge or a roofer's brush.
2. After complete drying of the first coat, apply at least one more. Each coat must dry thoroughly.
3. Clean all processing equipment with water immediately after use.

Take the vertical wall waterproofing up to the foundation side surfaces and approx. 30 cm above the ground level (protection from water sprays).

In crack-endangered zones, at roof connections and transitions, maintain uniform layer thicknesses and apply additional **IMBERAL® VE 89V**.

Strengthen outer corners that are not inclined with **IMBERAL® VE 89V** about 30 cm. wide, worked into the waterproofing layer.

Cover movement joints with **IMBERAL® FAB 89ZH** in a loop. Glue with **IMBERAL® Emuflex 20B** along the borders and integrate in the surface sealing.

## Precautions

Drainage according to DIN 4095 is permitted before the waterproofing.

Water seepage inside the waterproofing layer from the base of the basement or through accumulated water from the ceilings of the floors and rainfall pipes not yet connected should be prevented.

No cohesive soil (containing clay or loam) should reach the waterproofing. The waterproofing should be protected from damage (protective layers/useful layers according to DIN 4095, polystyrol-drainboards with filter fleece).

Drain boards or heat insulation boards can be glued with a soft bitumen paste like **IMBERAL® BEP-F 20B** onto the completely hardened sealing. Corrugated or studded panels are not suitable.

## hahne system products

IMBERAL® BEP-F 20B

IMBERAL® FAB 89ZH

DAKORIT® DV110 89V

IMBERAL® Multidrain 89V

IMBERAL® Aquarol 10D

IMBERAL® VE 89V

## Important notes

- Maintain the processing temperature at +5 °C to +35 °C.
- Do not process in direct sunlight.
- The drying time depends on the temperature and atmospheric humidity.
- After drying, can only be removed mechanically.
- Protective layers and protective measures in accordance with DIN 18533.
- During the drying phase protect against any impact from water.

## Ingredients

Bitumen, polymers, emulsifiers, functional fillers

## Safety provisions/recommendations

All the usual hygiene procedures and precautionary measures for handling chemical products apply. Wear suitable work protection clothing.

## Disposal

The local waste removal regulations must be observed.

## Manufacturer

**Sievert Baustoffe GmbH & Co. KG**

Mühlenschweg 6, 49090 Osnabrück

Tel +49 2363 5663-0, Fax +49 2363 5663-90

hahne-bautenschutz.de, info-hahne@sievert.de

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