

Bitumen protective coating and additive for structural waterproofing

Characteristics

IMBERAL® BES 10B is a solvent-free protection and sealing coat on a bitumen-emulsion base. It is resistant to the aggressive materials normally occurring in the soil and not a water pollutant. As an additive, it improves the workability of mortar and achieves a good water-tightness by reducing the water penetration depth. The resistance to de-icing salt is increased. Improves the abrasion resistance of screeds.

- Injectable
- Easy to process
- High alkali-resistant
- Plastifying
- Solvent-free

Use

IMBERAL® BES 10B as a protection and sealing coat above and below the earth. On brickwork, concrete, plaster MG P II and P III, on roofs as an alternative to solvent containing bitumen coats and as a regenerating coat on old bitumen waterproofing compounds. As a primer for bitumen sheets. For making watertight mortar. As an additive for plaster, masonry mortar and screed.

Areas of application:

- Residential and industrial buildings
- Garages
- In the indoors and outdoors
- Underground construction and shaft sinking

Specifications

Packaging	PE bucket
Barrel	25 l
Delivery form	18 barrels/pallet
Density	1.02 kg/l
Processing temperature	+5 °C to +35 °C
Softening point (R+K)	> 60 °C
Impermeability	
- Inspection according to AIB	0.5 bar / 8 hours
Dust-dry ¹⁾	after 3 hour
Storage	frost-free and cool, 12 months

Quantity required

Protective and sealing coat per coat	0.2 to 0.3 l/m ²
Plaster additive for 20 % solution pro m ³ waterproof plaster	40 l
Screed additive for 20 to 25 % solution pro m ³ screed	40 - 50 l
As primer 1: 10 with water	app. 30 ml/m ²

¹⁾ At +20 °C and 60% relative atmospheric humidity.

Preparation of the surface

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

The substrate can be slightly moist. During the construction phase, no water should penetrate between the substrate and the sealing compound.

Clean the base projections thoroughly. Remove sinter layers and impurities.

For coating primer on the substrate, dilute **IMBERAL® BES 10B** with water 1 : 10.

Application

Protective, sealing or primer coat:

1. As prime coat or primer, dilute 1 : 10 with water.
2. The coat is applied with a roller, brush, sponge or in the AIRLESS spraying process in one operation.
3. This is followed by 3 top coats.

Additive for waterproof plaster:

To achieve a good water impermeability.

1. To plaster preparation water, add 20 to 30 % **IMBERAL® BES 10B**.
Recommended mixing ratio:
1 part by volume of cement: 3 parts by volume of sand
2. The application is done with the usual plastering tools.
3. Rub off the rough waterproof plaster.
4. The plaster that has been rubbed off can be coated over immediately after bonding with **IMBERAL® BES 10B** diluted up to 20 % with water.

Masonry mortar additive:

1. To the bitumen masonry mortar, add 20 to 30 % **IMBERAL® BES 10B** depending on the water encroachment.
2. The application is done with the usual masonry tools.

Additive for screed:

1. 3 to 4 parts by volume of mixing water
Add 1 part by volume of **IMBERAL® BES 10B**.
Recommended mixing ratio:
1 part by volume of cement: 3 to 4 parts by volume of sand 0-7 mm
according to sollicitation and coating thickness
2. The application is done with the usual screed tools.
3. Clean all processing equipment with water immediately after use.

Precautions

During the drying, the coat must be protected from the action of humidity.

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-drain boards 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

INTRASIT® SM 54Z

IMBERAL® Multidrain 89V

IMBERAL® BEP-F 20B

Important notes

- Maintain the processing temperature at +5 °C to +35 °C.
- Do not process in direct sunlight.
- Fresh material can be dissolved in water; material that has dried up only with solvents.
- Waterproof plasters must not be smoothed, but must be rubbed off when raw.

Ingredients

Bitumen, 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

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IMBERAL® BES 10B

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