

IMBERAL® 2K Winter 26B



Bitumen thick-film coating for structural waterproofing, up to -5 °C in winter

With general building inspection certificate
ALL-WEATHER SEALANT



Characteristics

IMBERAL® 2K Winter 26B is a highly polymer modified, fibre reinforced thick layer sealant on a bitumen polymer basis with hydraulically setting powder. It hardens even in winter and in cold weather and is not harmful if it enters the groundwater.

- Frost resistant down to -5°C
- Quickly rainproof
- Quick full setting
- Environmentally friendly
- Complies with DIN 15814

Use

IMBERAL® 2K Winter 26B for waterproofing structural components in contact with soil as per DIN 18533 on walls, foundations and floor slabs in contact with soil as well as earth-covered ceiling panels.

- Soil moisture and non-pressing water W1-E
- Against external pressure water, moderate effect W2-E
- Against non-pressing water on earth covered ceilings W3-E
- Against spray water on the wall plinth as well as capillary water in and under walls in contact with soil W4-E
- For waterproofing wall connections to WU concrete as well as construction joints and butt joints of components made of concrete with high water resistance.
- On non-plastered brickwork, concrete, plaster MG P II and P III as well as on old cleaned bitumen seals.
- As an adhesive for insulation, protective and drain boards

Applications:

- Cellars in residential and commercial buildings
- Underground car parks, parking decks
- Balconies, patios
- Retaining walls

Specifications

Packaging	PE bucket/paper sack
Mixer pack size	32 kg
Liquid component	24 kg
Powder	8 kg
Supplied	16 Pack sizes/pal.
Density, process ready	1.1 kg/l
Working temperature	-5 °C to +20 °C
Working time	> about 1 hr at +10°C
Elongation	80 %
Max. tensile strength	approx. 0.33 N/mm ²
Crack bridging	> 2 mm at +4 °C
Imperviousness	
-Test acc. AIB	> 0.5 bar/8 hrs
4 mm slot pressure test	1 bar, 72 hrs
Load bearing ¹⁾	
after about 2 days	at +15 °C
after about 3 days	at +5 °C
after about 7 days	at 0 °C to -5 °C
Storage	above -5 °C, 12 months

Min. quantity req. acc. to DIN 18533

Scratch coat 1 - 2 kg/m²

W1-E

Soil moisture and non-pressing water 4,1 kg/m²

W2-E²⁾

Moderate effect of pressing water 5,5 kg/m²

W3-E²⁾

Non-pressing water on earth-covered ceilings 5,5 kg/m²

W4-E

Spray water and soil moisture on the wall plinth as well as capillary water in and under walls 4,1 kg/m²

Quantity as an insulating board adhesive

W1-E

Selective adhesion ca. 2-3 kg/m²

W2-E / W3-E³⁾

Areal adhesion (butt bonding) ca. 3-4 kg/m²

- Site conditions may require the quantities used to be increased by 1 -1.5 kg/ m² (caused by uneven substrate or material applied). Levelling and scratch coats must be embedded in the entire area and should be considered separately
- Waterproofing measures against water under pressure do not comply with DIN 18195 and must be agreed with the client contractually before waterproofing work starts.

¹⁾ At < 60% relative humidity

²⁾ As a rule embedded with reinforcement fabrics over the whole area.

Preparation of the surface

The substrates must be firm, capable of taking up loads, dry, free of ice, dust, dirt and mortar residues. During the construction phase, no water should penetrate between the substrate and the sealing compound. If required, apply **INTRASIT® DS2 54Z** or **INTRASIT® Poly-C1 55Z** or **IMBERAL® RSB 55Z** as an intermediate sealing. Clean the base projections thoroughly. Remove sinter layers and impurities. Old bitumen sealing that has stuck fast can be reworked after cleaning. All internal corners must be provided with an **INTRASIT® FSM Winter 56Z** mortar coving (wall/floor slab connections, vertical building corners, wall/cantilever plate connections and the like). Prime the substrate with **IMBERAL® Aquarol 10D** when the temperature is above +5 °C. Prime the adhesive surface with **IMBERAL® Aquarol Winter 16D** when the substrate and air temperatures are between -5 °C and +5 °C. Brickwork capillary saturated with water is not suited for waterproofing work. Profiled stone surfaces must be equalised with a scratch coat of **IMBERAL® 2K Winter 26B**. Protruding corners and edges, recesses, irregularities and the like must be levelled with the existing surface by applying a scratch coat of mortar or **IMBERAL® 2K Winter 26B**. Close open butt joints up to 5 mm with **IMBERAL® 2K Winter 26B** as a scratch coat or with a thin plaster. Close at least 5 mm wide butt joints, mortar pockets and holes with **INTRASIT® FSM Winter 56Z**. Bubble formation due to deep pores or hollows in concrete should be prevented or reduced by means of scratch plastering. **IMBERAL® VE 89V** must be embedded with large-size stones, aerated concrete as well as in the area of bonded different construction materials.

Scratch coats and channels must have hardened before the waterproofing work begins.

Application

DIN 18533 – Waterproofing of buildings

DIN 1053 – Masonry

Observe guidelines for planning and designing structures in direct contact with the ground with polymer modified thick bitumen coating.

1. Stir **IMBERAL® 2K Winter 26B** with slow running paddle (400 to 600 rpm) or with a mixing paddle. Briefly mix up liquid component, then add all the powder component at once and stir thoroughly into the liquid component. Mixing takes about a minute and is complete when the mixture is homogenous and free of lumps.
2. Apply to the required coating thickness using a trowel.
3. Insert **IMBERAL® FB 89ZH** in with **IMBERAL® 2K Winter 26B** in existing expansion joints.
4. Clean tools 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). When plastering this area, this circumferential stripe can be sealed beforehand with **INTRASIT® DS2 54Z**, **-Poly-C1 55Z** or **IMBERAL® RSB 55Z**. Apply the layer evenly on the substrate. Prevent differences in layer thickness. Apply the sealant for brick masonry on the clinker area in order to prevent water from penetrating during the construction phase. The sealant must be generally applied in two layers. When waterproofing as per DIN 18533 W1 and W4, the sealing measures can take place whilst still wet. In case of loads W2 and W3, the first layer must have sufficiently dried. Create channels in all interior corners. Outside edges of buildings must be bevelled.

The coating works may only start 24 hours after the scratch plastering. Cover movement joints with **IMBERAL® FAB 89ZH** in a loop.

Precautions

Drains complying with DIN 4095 are permitted before sealing. Water from the cellar floor slab or water that has collected on the intermediate floors and from drainpipes not yet connected must be prevented from running behind the sealing layer. No cohesive soils (loamy) should come into contact with the sealant. The sealant should be protected from damage (protective coating/ wear layer according to DIN 4095 and DIN 18533). Slip layer laminated drain sheet **IMBERAL® Multidrain 89V** can be used for protection and drain layers.

Drain or thermal insulation tiles can be fixed on to the hardened sealant with **IMBERAL® 2K Winter 26B** or a soft bitumen paste such as **IMBERAL® BEP-F 20B**. Corrugated or bobbed tiles are not suitable.

hahne system products

IMBERAL® Aquarol 10D

IMBERAL® BEP-F 20B

IMBERAL® Aquarol Winter 16D

INTRASIT® DS2 54Z

INTRASIT® Poly-C1 55Z

INTRASIT® FSM Winter 56Z

IMBERAL® FAB 89ZH

IMBERAL® Multidrain 89V

IMBERAL® VE 89V

IMBERAL® RSB 55Z

Important notes

- Maintain a working temperature of -5 °C to +20 °C
- If **IMBERAL® 2K Winter 26B** is used together with Hahne system products, observe the appropriate working temperature in each case (see corresponding data sheet).
- Do not apply the product in direct sunlight.
- Pipe passages etc. through the sealing should, where possible, be made in the area of non-pressing water. Connect the sealing to the pipe passage like a coving.
- Use adhesive flanges or loose/fixed flanges for passages where there is water which is not under pressure. Openings in accumulating seepage water or ground moisture areas must always be made with loose/fixed flange screw connections.
- Gullies must be reinforced with plate edge or sheeting, integrating a woven tape.
- Apply protective layers and protective measures according to DIN 18533.
- Deviations from DIN 18533 such as waterproofing measures at temperatures below +5 °C should be contractually agreed in general.
- When laying perimeter insulation boards, also see the information sheet on the thermal insulation of components in contact with soil by the professional association Poystyrol-Extruderschäumstoff (FPX).

Ingredients

Bitumen, polymers, emulsifiers, functional fillers, fibres, hydraulic binders, freezing point depressant

Safety provisions/recommendations

Powder components have an alkali reaction in contact with moisture/water.

More detailed information on safe transport, storage and handling can be found in the safety data sheets.

Disposal

The local waste removal regulations must be observed.

IMBERAL® 2K Winter 26B



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This information is based on extensive tests and practical experience. However, it cannot be applied to every type of application. If in doubt, we recommend that you test the product before using it. Due to continuous product improvement, this information is subject to change without notice. Our General Terms and Conditions apply.
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