



IPAFLEX BITU 2K

Solvent-free, fibre-reinforced, crack bridging, 2-component bitumen-rubber thick coating for reliable dampproofing

With general construction supervisory authority test certificate

Properties

IPAFLEX BITU 2K is a highly resin-modified, fibre-reinforced thick-layer sealant based on bitumen emulsion with hydraulically setting powder.

It is resistant to aggressive substances normally occurring in the soil and is not harmful if it enters the ground water.

- Easy to apply
- Quickly rainproof
- Good smoothability
- Rapid full setting
- Crack-bridging

Areas of use

IPAFLEX BITU* 2K for sealing structures in contact with the soil against ground moisture, pressurised/unpressurised water, on vertical and horizontal surfaces indoors and outdoors.

Suitable for making coves.

As adhesive for insulating and protection boards and drain tiles. On unplastered masonry, concrete, mortar group P II and P III plaster, and on pre-cleaned old bitumen coatings.

Areas of use:

- Cellars in houses and commercial buildings
- Underground and multi-storey car parks
- Balconies, patios
- Washrooms, showers etc.
- Retaining walls

Substrate preparation

Substrates must be firm, sound and free of dust, dirt and residual mortar.

Brush or spray on DURIPAL as undercoat on all absorbent mineral surfaces. Amount required; approx. 200 g/m².

The substrate can be slightly damp. During the building phase no water must enter between substrate and sealant. Clean floor slab projections thoroughly. Remove sintered layers and dirt.

Use IPA SLURRY Waterproof mortar for making coves. Use a tongue-shaped trowel

Old, strongly adhering bitumen coatings can be overcoated after cleaning

Seal 2 mm to 5 mm wide open joints using

IPAFLEX BITU 2K as scratch coating or use thin-layer plaster.

Use mortar to seal 5 mm or wider joints, mortar pockets and holes.

Smaller joints **require no special pretreatment.**

To prevent formation of air voids due to deep pores or holes in concrete, apply a scratch coating

Technical data

Presentation	Tin bucket
2-comp. Container	30kg
Liquid component	24kg
Powder	6kg
Delivery quantity	16 containers/pallet
Density	1.10g/cm ³
Working temperature	+ 5°C to +35°C
Workable time	> 2 hours
Softening point (ring + ball)	>80°C
Cold brittle (25 mm spike)	-10°C
Elongation at break	approx. 60%
Max. tensile strength	approx. 0.33 N/mm ³
Crack bridging-without fabric reinforcement	> 2 mm at + 4°C
Imperviousness	
Test acc. to DIN 1048	> 5.0 bar / 3 days
Test acc. to AIB	> 0.5 bar / 8 hours
Slot pressure test acc. to DIN 18 195 at 72 hours water pressure 4 mm	» 0.075 N/mm ²
Rainproof	after 2-3 hours
Fully hardened load-bearing¹-	-after 24 hours
Store frost-free and cool	6 months
Amount required / Thickness of dry layer	
Scratch coat²	1 to 2 kg/m ²
Ground moisture	4 kg/m ² approx. 3.5mm
Unpressurised water (surface water)	5 Kg/m ² approx 4.4mm
Pressurised water, 2-layer² with woven fibreglass fabric	6 kg/m ² appr. 5.3 mm
Coves	1 kg/lin. m

1) At + 20°C and 50% relative humidity.

2) Scratch coat applied over the entire surface can be regarded as first dampproofing coat



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Application

DIN 18 195 - Dampproofing DIN 1053-Brickwork
Observe the guideline for planning and designing structures in contact with the soil using resin-modified bitumen thick coatings.

1. Stir in IPAFLEX BITU 2K with slow-running agitator (approx. 400 rpm to 600 rpm, paddle attachment). Briefly stir the liquid component, then stir the entire powder component rigorously into the liquid. Mixing takes approx. 1 minute and ends when the material is homogeneous and free of lumps.
2. Apply in the desired thickness in a single operation using a float or trowel.
3. Work joint covering tape into existing expansion joints using IPAFLEX BITU 2 K.
4. Wash off tools with water immediately after use.

Apply vertical wall sealing as far as the foundation sides and approx- 30 cm above ground level (for protection against splashing) If this area is plastered, the perimeter strip can be sealed beforehand with a sealing slurry, IPA SLURRY

For clinker brickwork the sealing should be extended over the clinker layer to prevent water penetration during the building phase.

For sealing against pressurised water, two layers must be applied with woven fibreglass fabric.

External comers that are not bevelled must be strengthened with approx 30 cm wide woven fibreglass fabric worked into the sealing layer.

Scratch layers applied over the entire surface may be regarded as the first sealing layer.

Protective measures

Drains in compliance with DIN 4095 are permitted before sealing.

Water from the cellar floor slab or water that has collected at the intermediate floors or from downpipes not yet connected, must be prevented from running behind the sealing layer

No cohesive soils (containing clay) must come into contact with the sealing. Protect the sealing against damage (protective layers / wearing layers according to DIN 4095, polystyrene drain tiles with nonwoven filter medium).

Drain tiles and thermal insulation tiles can be fixed on the completely hardened sealant using IPAFLEX BITU* 1K . Corrugate or knobbled boards are not suitable.

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