

Bitumenkleber 2K

Two-component bituminous adhesive compound



AREAS OF APPLICATION

Bonding of perimeter insulation boards below ground level, in particular on bituminous building waterproofing.

PRODUCT PROPERTIES

- Two-component (powder + paste-like component)
- Solvent free
- Strong initial adhesion
- Flexible after curing and drying
- Functional under high humidity
- Stable consistency suitable for trowel application
- Resistant to aging, rot-proof
- Frost-resistant

TECHNICAL DATA

Indicated fixed values represent average values, which can slightly vary from delivery to delivery due to the application of natural raw materials.

Binder base	Bitumen emulsion and hydraulic binding agents
Specific density	approx. 1.06 kg/l (paste-like component) Layer thickness ratio wet / dry: 1.38:1
Fire behavior	Class E according to DIN EN 13501-1
Dry layer thickness	1 mm dry corresponds to 1.38 mm wet

APPLICATION INSTRUCTIONS

Substrate pre-treatment	All substrates must be stable, level (DIN 18202 or 18203), clean and free of any residue, which can reduce adhesiveness. Substrates can be matt-moist but not wet.
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	<p>Protruding concrete or mortar burrs, soil contamination, old non-load-bearing bitumen waterproofings or similar must be removed. Chamfer or break corners and edges. Close recesses > 5 mm with suitable mineral mortar. Open joints of 2 - 5 mm must be closed as a scratch coat with Bitumenkleber 2K or suitable mortars. In the case of poorly absorbent substrates, apply scratch coat with Bitumenkleber 2K to prevent blisters. Pre-coat absorbent mineral substrates.</p>
Mixing	<p>8 parts by weight of powder component to 22 parts by weight of paste-like component.</p> <p>Briefly stir the paste-like component using a suitable electric mixer. Then, add the powder component little by little and mix until the compound is homogeneous and lump-free.</p> <p>When mixing partial quantities, strictly observe the mixing ratio 8:22 (parts by weight).</p> <p>Do not mix more material than can be used within 2 hours.</p>
Application	<p>Bond the perimeter thermal insulation boards below ground level (perimeter) with Bitumenkleber 2K to the vertical building waterproofing.</p> <p>The bonding method is based on the existing water exposure class (Wassereinwirkungsklasse).</p> <p>The perimeter insulation boards must be installed tightly butted in offset and lie evenly on the substrate. Cross joints must be avoided. For water impact class W2.1-E according to DIN 18533, the XPS perimeter insulation boards must be bonded over their entire surface. The respective bonding methods depending on the water exposure class can be found in the insulation approval or the installation instructions of the insulation manufacturer for the respective application.</p> <p>Note:</p> <p>The use of Bitumenkleber 2K as an adhesive compound in the plinth area is not recommended, as differences in level or misalignment in the bonded insulation boards are to be expected, especially with thick adhesive layers.</p>
Consumption	<p>At least 1.5 to 2.5 kg/m² for spot bonding, other adhesion methods increase consumption.</p> <p>Determine the precise material requirements by means of a trial coating on the object.</p>
Weather conditions	<p>The material, substrate and air temperatures cannot fall below +5 °C or exceed +30°C during application and drying.</p> <p>Do not use in direct sunlight, strong wind, fog or high humidity.</p>
Drying time	<p>approx. 24 - 48 hours</p> <p>Dependent on temperature, layer thickness and relative humidity.</p> <p>The material must have dried sufficiently before doing any follow-up work.</p>
Cleaning of tools	<p>In a fresh state with water.</p> <p>In a dried state with solvent-based thinner.</p>
Information	<p>A prerequisite for attaching the perimeter insulation boards is an existing building waterproofing in accordance with the requirements.</p> <p>The use of Bitumenkleber 2K above ground for ETICS is not recommended because particularly in the case of extreme adhesive layer thicknesses, differences in level or displacements in the bonded insulation boards must be expected.</p>

STORAGE

Shelf life in original sealed packaging of at least 1 year when kept cool, dry and protected against frost.

Protect against direct sunlight and temperatures > 35°C.

PACKAGING INFORMATION

Colour	Black
Packaging unit	Combination container 30 kg net (22 kg paste-like component + 8 kg powder component) PP bucket 30 kg net

OTHER INFORMATION

Information on safety	The information provided in the current safety data sheet applies.
Transportation	Not a hazardous material
Plaster code	Component A: BBP10 Component B: ZP1 cement-based products, low in chromate

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The above information is based on many years of experience and tests and is provided by us to the best of our knowledge. Such information applies in addition to our application guidelines. However, we cannot accept any responsibility for the correctness of our recommendations on account of wide variety of substrates and of on-site conditions and applications which are outside our control. Any recommendations provided by our employees and deviating from these documents must be given in writing. We reserve right to make any changes on account of technical progress or building regulations. Your technical advisor will be pleased to provide the relevant product data sheets.

