

## weber Plattenkleber 2 K

### Bitumen adhesive for insulation boards

#### 2-comp. polystyrene-filled solvent-free adhesive for insulation boards

##### Fields of application

For reliable bonding of perimetric insulation and protection boards below ground level on earth-contacting basement walls.

For application on bitumen waterproofing coatings, mineral waterproofing products and concrete. Convenient for bonding extruded and expanded polystyrene rigid-foam boards in all cases of water load: ground damp, non-pressure and pressure water.

For use outdoors.

##### Description

**weber Plattenkleber 2 K** is a solvent-free 2-component bitumen adhesive for insulation boards.

##### Composition

Bitumen, polystyrene, additives

##### Main features

- solvent-free
- trowel-grade and non-sag
- high bonding strength
- quick drying
- suitable on dry and slightly damp substrates
- resistant to sulphate-containing water in the soil up to the “highly corrosive” level (up to 3.000 mg sulphate per litre of water) in accordance with DIN 4030
- resistant to frost and thawing salts after full drying

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## Technical values

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Application temperature (air and substrate):	+3°C - +35°C
Density after mixing:	approx. 0.75 kg/dm <sup>3</sup>
Mixing ratio:	component A (bitumen) : component B (powder) = 4 kg : 1 kg
Dry residue:	approx. 80% by volume
Pot life:	1 - 2 hours
Drying time:	approx. 3 days depending on layer thickness
Delay for backfilling:	without delay in case of ground damp and non-pressure water; after full drying in case of pressure water
Clean-up:	water (fresh product); thinner weber.sys 992 (dry product)

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## Quality control

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**weber Plattenkleber 2 K** is subject to a regular quality control.

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## General notes

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- All characteristics mentioned in this data sheet are given for a temperature of +20°C, without draft and a relative rate of humidity of 70%.
  - Comply with the national standards and/or guidelines; if not issued, and if requested, refer to the norm DIN 18533 ("Waterproofing of Ground-contacting Building Structures"), the "Guideline for Planning and Execution of Waterproofing Works with Polymer-Modified Bitumen Coatings (PMBC)" (4<sup>th</sup> edition, Dec. 2018, issued by the German Construction Chemicals Association) and the WTA leaflet "Retrospective Waterproofing of Ground-contacting Structures" (WTA = German Scientific and Technical Working Group for Building Conservation and Monument Preservation) and/or request technical advice.
  - All characteristics mentioned in this data sheet are given for a temperature of +20°C, without draft and a relative rate of humidity of 70%.
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## Special notes

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- Do not add any foreign substances during mixing and application.
  - Observe the **Weber** application tip "General guidelines for basement waterproofing works with thick-layer bitumen coatings and reactive coatings" for full information related to important issues like assessment of water load, thickness control, and all execution details.
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## Substrate preparation

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- The substrate must be frost-free, solid, clean, sufficiently dry, free of tar, oil, grease, honeycombs, protruding parts, cracks and all dirty substances.
- All previous waterproofing layers must be fully dry and compatible with bitumen.

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## Working instructions

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### Primer on concrete

- Concrete: apply the bitumen primer **weber.tec 901** diluted 1 : 10 with water, using a block brush, a deck brush, a roofer's brush, a roller or a spraying device.

### Mixing

- The amounts of both components (bitumen and powder) are delivered pre-mixed and adjusted to each other. Mix the components A (bitumen) and B (powder) in a ratio of 4 : 1 parts by weight.
- Mix the whole quantity of both components with electric drill (min. 600 t/min.) and the stirrer **weber.sys Rührpaddel** no. 4 during at least 3 minutes until lump-free. Add the powder slowly during mixing.
- Take care that the product is also thoroughly mixed in the corners and at the bottom of the mixing container.

### Application

- The insulation boards are point-bonded or full-surface bonded on basement walls depending on water load onto the concrete or the thoroughly dried bitumen waterproofing coatings or mineral waterproofing products.
- In case of ground damp and non-pressure water apply 6 - 8 palm-sized dots of **weber Plattenkleber 2 K** uniformly across the backside of boards, depending on the size of boards, using a notched trowel or a flat trowel. Place them into position vertically or in a staggered manner onto the waterproofing layer or the concrete.
- Ensure that the boards on the foundation overhang stand up firmly on the forepart of the concrete slab.
- In case of banking seepage and pressure water the insulation boards including their sides must be bonded full-surface with **weber Plattenkleber 2 K**.
- In the socket part of facades use specific socket insulation boards which are point-bonded with bitumen. Afterwards the facade boards are installed above ground level and fixed with dowels. Finally, a bonding and reinforcing mortar as well as a specific socket overlay render are applied.

# Technical Data Sheet



- Fill the excavation pit without delay in case of ground damp and non-pressure water.
- In case of pressure water wait for the full drying of **weber Plattenkleber 2 K** before filling the excavation pit.

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## Practical information

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### Tools:

Electric drill + stirrer **weber.sys Rührpaddel** no. 4, notched trowel, flat trowel; for priming works: block brush, deck brush, roofer's brush, roller, spraying device

### Drying time:

min. 3 days, depending on weather conditions

### Storage:

The product can be stored at least 12 months in its original unopened packaging, if kept dry, cool and frost-free. Frost destroys the bitumen component. After thawing it is not allowed to use it.

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## Consumption / yield

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<b>W1-E:</b> as spot glue for insulation boards	approx. 2.0 l/m <sup>2</sup>
<b>W2.1-E:</b> as full-surface glue for insulation boards	approx. 4.0 l/m <sup>2</sup>

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## Packagings

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Type	Sales unit	Number / euro-pallet
Plastic bucket (kit with bitumen and powder)	30 liters	18 buckets

*The information in this technical data sheet is based on our current knowledge and experience at the time of printing. However, they do not guarantee in the legal sense.*