


## Technical Data Sheet

# Bitumen Coating PMBC 2K PLUS PS

### PRODUKTBESCHREIBUNG

**Bitumen Coating PMBC 2K PLUS PS** is a polymer-modified bitumen coating for waterproofing structures in contact with the ground in accordance with EN 15814 and DIN 18533 Part 3.

### Performance Table

| <p><b>CE</b></p> <p>EN 15814:2011<br/>A2:2014</p> | <br>Bitutec Private Label GmbH   Westring 18, D-33142 Büren   HRB: 14780<br>Amtsgericht Paderborn   Telefon: +49 2951 7079931<br><a href="http://www.bitutec.de">www.bitutec.de</a>   E-Mail: <a href="mailto:info@bitutec.de">info@bitutec.de</a> |   |      |
|---|--|---|------|
| TEST  | STANDARD   |   |      |
| <b>Watertightness</b>                             | <b>EN 15820</b>  | After: 72 h ; Water pressure : 0,75 Bar<br>Dry thickness $\geq$ 4 mm (Glas Fiber) | W2   |
| <b>Crack bridging capacity</b>                    | <b>EN 15812</b>  | Crack : $\geq$ 2mm  | CB2  |
| <b>Flexibility at low temperature</b>             | <b>EN 15813</b>  | Period:1 h Temp.: 0 °C  | Pass |
| <b>Stability at high temperatures</b>             | <b>EN 15818</b>  | Period:1 h Temp.: 70 °C   | Pass |
| <b>Resistance against water</b>                   | <b>EN 15817</b>  | 28 days in water  | Pass |
| <b>Resistance to rain</b>                         | <b>EN 15816</b>  | 4-5 h   | R2   |
| <b>Layer thickness after drying</b>               | <b>EN 15819</b>  | $\leq$ %50  | Pass |
| <b>Fire behaviour</b>                             | <b>EN 13501-1</b>  | Euroclass   | E    |

### AREAS OF APPLICATION

- For vertical and horizontal application
- For waterproof protection and sealing
- For waterproof sealing of foundations and facades
- For adhesion of insulation and lightweight boards

### PROPERTIES AND ADVANTAGES

- Suitable for vertical and horizontal application
- User-friendly handling and solvent-free
- Easy to apply
- Longer workability
- Crack-bridging due to elastic properties
- High resistance to bacteria, salts and acids from the soil
- High stability

#### GENERAL NOTE

In principle, all standards and norms relevant to the waterproofing and repair work must be observed.

#### APPLICATION PROCEDURE

The substrate must always be prepared in accordance with DIN 18533 Part 3. The substrate must be dry, clean and free of sharp edges, cracks, frost, oils, greases, dust, dirt, chemical substances and other impurities. Wood, metal and plastic wedges must be removed, leaking water and leaks must be prevented. Voids and empty spaces must be filled. Blistering due to pores or voids in the concrete can be minimised by scratch coating. Priming the substrate with diluted product is recommended.

#### PREPARING THE MIXTURE

**Bitumen Coating PMBC 2K PLUS PS** is a ready-to-use product. To ensure a homogeneous mass mixing before application is recommended.

#### TECHNICAL DATA

##### Properties:

**Bitumen Coating PMBC 2K PLUS PS** – Polymer modified bitumen

|                               |               |
|-------------------------------|---------------|
| <b>Colour</b>                 | Black - Brown |
| <b>Density</b>                | 0,65 kg/L     |
| <b>Material shrinkage</b>     | 20%           |
| <b>Processing temperature</b> | +5°C - +35°C  |
| <b>Hardening time</b>         | 4-5 hours     |
| <b>Drying time</b>            | 2-3 days      |

#### APPLICATION

##### Priming:

Mix the material as described. Dilute sufficient material with water in a ratio of 1:3 or 1:5 (depending on the absorbency of the substrate). Mix at a stirring speed of 400-600 rpm until a homogeneous and lump-free consistency is obtained. Apply evenly to substrate with a brush (avoid accumulation on horizontal surfaces).

**Bitumen Coating PMBC 2K PLUS PS** can be applied with a smoothing trowel, brush or suitable spraying technique in the required layer thickness as soon as the primer is completely dry.

##### Protection of the dry material:

When backfilling the excavation, ensure that the waterproofing coating is fully cured and dried. **Bitumen Coating PMBC 2K PLUS PS** must be protected from damage with suitable drainage, insulation, insulating or lightweight boards when backfilling the excavation pit. Sharp stones, rubble, etc. are not suitable for backfilling excavations.

#### SPECIAL NOTES

- Pay attention to the ambient and substrate temperature (+5°C to +35°C).
- Do not apply **Bitumen Coating PMBC 2K PLUS PS** when it is raining or rain is forecast.
- Application of **Bitumen Coating PMBC 2K PLUS PS** must be protected from direct sunlight, frost or rain within 24h.
- Working times with cement and bitumen emulsion based systems are influenced by ambient and surface temperature as well as relative humidity.
- At low temperatures, reaction times are reduced, resulting in longer workability times. At elevated temperatures, reaction times accelerate, resulting in reduced workability times. To ensure complete drying and curing of the material, the ambient and substrate temperature must be within the specified range (+5°C to +35°C).
- Areas that are not yet completely dry and cured must not be exposed to water.

- Waterproofing coatings should be applied to surfaces or parts of the surface that are exposed to moisture or water contact.
- **Bitumen Coating PMBC 2K PLUS PS** must be used within 1 - 4 hours after mixing.
- **Bitumen Coating PMBC 2K PLUS PS** is not suitable for use inside drinking water containers or swimming pools.
- Clean tools thoroughly with warm water and soap after use.

#### PACKAGING

30 litre container (plastic bucket) or as required.

#### Storage

Store **Bitumen Coating PMBC 2K PLUS PS** in a cool and dry place.

- Short-term storage: Stack a maximum of 2 pallets on top of each other. Delivery according to the "First in First out" (FIFO) principle.
- Long-term storage: Do not stack pallets on top of each other.

Shelf life: 12 months from date of manufacture if stored appropriately. **Bitumen Coating PMBC 2K PLUS PS** may freeze at temperatures below 0°C.

#### HEALTH AND SAFETY INFORMATION

Work clothing, protective gloves, eye protection and masks must be used in accordance with relevant rules and regulations on occupational health and safety. Due to possible skin irritating side effects, avoid skin and eye contact during storage and application. After skin or eye contact, immediately wash thoroughly with water and consult a doctor. Keep out of reach of children. Do not store food and beverages in the area to be applied.

For further instructions and regulations, please refer to the Safety Data Sheet (SDS).

#### LIABILITY COMMITTEE

The information given here is based on the current state of our knowledge and scientific research. For further information and regulations, please refer to the Safety Data Sheet (SDS).