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Technisches Datenblatt

Bitumen Coating PMBC 1K HIGH SOLID PS

Performance Table

Bitumen Coating PMBC 1K HIGH SOLID 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

CE EN 15814:2011 A2:2014	Bitutec Private Label GmbH|Westring 18, D-33142 Büren|HRB: 14780 Amtsgericht Paderborn|Telefon: +49 2951 7079931 www.bitutec.de |E-Mail: info@bitutec.de		
TEST	**STANDARD**		
Watertightness	**EN 15820**	After: 72 h ; Water pressure : 0,75 Bar Dry thickness ≥ 4 mm (Glas Fiber)	W2A
Crack bridging capacity	**EN 15812**	Crack : ≥ 2mm	CB2
Flexibility at low temperature	**EN 15813**	Period:1 h Temp.: 0 °C	Pass
Stability at high temperatures	**EN 15818**	Period:1 h Temp.: 70 °C	Pass
Resistance against water	**EN 15817**	28 days in water	Pass
Resistance to rain	**EN 15816**	4-5 h	R2
Layer thickness after drying	**EN 15819**	≤ %50	Pass
Fire behaviour	**EN 13501-1**	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

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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 1K HIGH SOLID PS is a ready-to-use product. To ensure a homogeneous mass mixing before application is recommended.

TECHNISCHE DATEN

Properties:

Bitumen Coating PMBC 1K HIGH SOLID PS - Polymer modified bitumen

Colour	Black - Brown
Density	0,65 kg/L
Material shrinkage	14%
Processing temperature	+5°C - +35°C
Hardening time	4-5 hours
Drying time	2-5 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 1K HIGH SOLID 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 1K HIGH SOLID 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 1K HIGH SOLID PS** when it is raining or rain is forecast.
- Application of **Bitumen Coating PMBC 1K HIGH SOLID 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).

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- 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 1K HIGH SOLID PS** must be used within 1 - 4 hours after mixing.
- **Bitumen Coating PMBC 1K HIGH SOLID 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 1K HIGH SOLID 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 1K HIGH SOLID 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).