

AQUASMART® PB -2K

Two Component Polyurethane Modified Bituminous Thick Coating

DESCRIPTION

AQUASMART®-PB 2K is a fast-setting polyurethane modified bitumen coating with exceptional thixotropic properties ideal for the waterproofing of foundation walls and wet rooms. The powder component contains cement that will allow the material to set quickly even in thick layers >4 mm. The application can be done in one coat in very high thickness without cracking. The polyurethane modification of the bitumen emulsion imparts great flexibility to the material even at very low temperatures.

Apply with brush, roller or airless spraying with minimum total consumption of 3.5-4 kg/m².

RECOMMENDED FOR

Waterproofing and protection of:

- Foundation walls,
- Wet rooms

LIMITATIONS

Not recommended for:

- Unsound substrates,

FEATURES & BENEFITS

- Fast setting
- Water based
- Easy to apply & repair
- Low temperature flexibility

APPLICATION PREREQUISITES

Can be successfully applied on:

Concrete, fibrous cement, cement roof tiles, wood, corroded metal, galvanized steel. For information about other substrates, please contact our technical department.

Standard concrete substrate conditions

Hardness: $R_{28} = 15 \text{ MPa}$.

- Humidity: $W < 10\%$.
- Temperature: $5-35 \text{ }^{\circ}\text{C}$.
- Relative humidity: $< 85\%$.

Suitable primers:

AQUASMART®-DUR, AQUASMART PU PRIMER 2K depending on the substrate. Please contact our technical department for primer selection advice.

APPLICATION PROCEDURE

Clean the substrate using a high-pressure washer, if possible. Remove oil, grease and wax contaminants. Cement laitance, loose particles, mould release agents, cured membranes must also be removed. Surface irregularities should also be filled.

Priming:

Apply recommended primer according to Technical Data Sheet specifications.

Mixing:

Mechanically mix component B thoroughly and add component A gradually. **Continue mixing until material starts to visibly thicken and for an additional 5-10 minutes until thick smooth paste results.**

Application:

Apply with roller, brush or airless spraying in two coats.

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Do not apply under conditions of extreme wet weather or imminent rain or near freezing temperature. The dried coating should be covered with a protective coat to protect it permanently from static, dynamic and thermal wearing and only then is it possible to refill the excavation pit. Outdoor weathering over an extended period must be avoided as this might lead to cracking on the surface.

CONSUMPTION

Minimum total consumption 3.5-4 kg/m².

CLEANING

Clean tools and equipment with water

SPACKAGING

Comp. A: 9KG

Comp. B: 3KG

SHELF LIFE

Can be kept for 12 months minimum in the original unopened pails in dry places and at temperatures of 5-25 °C. Once opened, use as soon as possible.

SAFETY INFORMATION

The MSDS (Material Safety Data Sheet) is available on request.

TECHNICAL SPECIFICATIONS

In liquid form (before application):

| PROPERTY | UNITS | METHOD | SPECIFICATION |
|----------------------------------|-------|------------------------|--|
| Viscosity (Brookfield) A+B | cP | ASTM D2196-86, @ 25 °C | >50,000 cps |
| Required application temperature | °C | - | > 5 |
| Working time | min | internal | >90 |
| Mixing Ratio | | | 3/1 component A/B |
| Dry time | days | internal | Depends highly on weather conditions and thickness. At 15 degrees C <24 hrs. |

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