

## B PR 101

### Bitumen Emulsion (Bitumen Primer)

#### Description

**B PR 101** is a ready to use waterproofing material and primer for bituminous membranes that obtained by mixing water and bitumen by using special methods.

#### Fields of Application

- Used as a primer before the application of all brands of roll or liquid bitumen membranes.
- In all horizontal and vertical applications.
- In base of buildings, underground storehouses and basements insulation from the direction of water (positive direction).
- In wet areas insulation such as bathroom, kitchen, balcony.
- In parquet flooring applications with hot bituminous materials, it is applied over the screed as an undercoat.
- Applied onto construction molds for easy demolding and providing a smooth surface.

#### Features and Benefits

- Thanks to its superior adhesion, bituminous membrane can be adhere on the surface excellently.
- After evaporation of the water it contains, it forms a waterproof and water-insoluble layer.
- Suitable for interior applications because of non-toxic and non-flammable content.
- Water based. Environment friendly.
- Adheres perfectly to all kind of surfaces, even moist surfaces.

#### Technical Data

Content	Bitumen
Color	Dark brown in liquid form, black in dry form
Thinner	Water
Density	1,08 g/cm <sup>3</sup>
Solid Content	56±1 %
Softening Temperature	+70°C
Application Temperature	+5°C to +35°C
Drying Time	
<i>Touch dry</i>	<i>1 hour</i>
<i>First dry</i>	<i>5-6 hours</i>

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<i>Mechanical strength</i>	8 days
HS Code	2715.00.00.00.00

### Application Procedure

#### Preparation of Substrate

Application surface must be dry, clean and clean off materials which prevent bonding, such as dust, oil, rust and removed loose pieces. Sharp tips and horizontal/vertical joints which are suitable cracking should be chamfered with **PH 55** or **REPAMERK 1**. Big pores and cracks should be filled with **REPAMERK 301** repair mortar.

#### Application Method

**B PR 101** should be applied as cold. It should be diluted with 20% water then applied with bitumen brush or airless gun. It dries within 4-5 hours depending on the weather conditions. It should not be applied in rainy days or within the temperatures lower than +5 °C. Second layer must be applied after first layer completely dry. For the applications that required higher durability against water pressure or on cracked surface, it must be reinforced with fiber glass, polyester felt, reinforcing fabric etc. The screed material that obtained by mixing **B PR 101** with sieved fine sand and cement is applied with a trowel to smooth out and level the surface, or to provide a protective coat over insulation.

### Consumption

0,400 kg/m<sup>2</sup> for each layer.

### Packaging

17 kg metal can  
200 kg barrel

### Shelf Life

12 months in original, unopened package.

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### Storage

Store in dry area between +5°C and +35°C. Protect from heat, freezing and direct sunlight.

### Cleanup Information

Clean tools and equipment with water immediately after use. Dried material can only be removed mechanically.

### Cautions / Limitations

- It may be harmful with skin contact.
- Do not apply in freezing conditions or during precipitation.
- Protect applied materials from rain, freezing, foot traffic and continuous high humidity until completely dry.
- Do not use when air and surface temperatures are below +5°C and above +35°C.

### Health and Safety

**Warning!** Cause eye and skin irritation. If eye or skin contact, get immediate medical attention. If swallowed, do not induce vomiting. Call a physician or poison control center. Never give anything by mouth to an unconscious person.

Wash hands thoroughly after handling. Wear protective clothing, gloves, eye and face protection. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse. Dispose of unused, contents, container and other contaminated wastes in accordance with local, state, federal and provincial regulations.

Keep container closed when not in use. Keep out of the reach of children.

**Limited Warranty:** This product is subject to a written limited warranty which can be obtained free of charge from BAUMERK Company. Please contact with technical service department for further information and support.