

## Polyurethane-Bitumen Based Liquid Membrane

### Product Description

It is a polyurethane resin based, two component, liquid material enriched with bitumen.

### Areas Of Usage

- Floors,
- Fundamentals,
- Roofs,
- Green roofs and plant beds,
- Gypsum and cement panels,
- Polyurethane insulation foams,
- Asphalt membranes/EPDM membranes,
- Bathrooms (under tile/tile),
- Veranda and balconies (under tiles),
- Light roofs made of metal or fiber cement,
- Water tanks (excluding drinking water tanks)
- Bridge platforms,
- Cut-and-cover tunnels,
- Irrigation channels.

### Advantages

- Fast curing,
- Thick coat can be applied, it does not form bubbles.
- Unmixed components other than the application amount can be stored for later use.
- Because of its low modulus, crack bridging feature is excellent.
- It adheres perfectly to almost any surface with or without a primer.
- Its thermal resistance is excellent, the product never softens. Maximum usage temperature is 80°C, maximum shock temperature is 200°C.
- Resistant to cold. The film maintains its elasticity down to -40°C.
- It has excellent mechanical properties; elongation ability, tensile, tear and abrasion resistance is high.
- Shows good resistance to chemicals.
- It functions effectively as a water vapor barrier.
- It can also be applied as a joint filling material.

### Packaging

A 40 kg set of BILIZO<sup>®</sup> PUR 600 consists of Component A in one pail of net 20 kg and Component B in one gallon of net 20 kg.

### Technical Data

View	Liquid
Colour	Black
Specific Weight	0.95-1 gr/ cm <sup>3</sup>
Mixing Ratio	1:1
Pot Life (+25°C)	45-60 minutes
Refloor	6-24 hours
Flash Point	42 °C
Shore A Hardness	35
Elongation percentage at 23 °C	% >2000
At 25 °C and %55 relative humidity (RH) drying	1-2 hours

## Application Procedures

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**Surface Preparation:** The surface should be cleaned, if possible, using a high pressure washer; oil, grease, fuel and paraffin residues should be removed, as well as completely free of mold release agents, cement residues, chips, loose particles and cured membranes.

**Mixing Procedure:** After mixing the two components in equal amounts by hand or with a mixer operating at low speed (300 rpm), apply immediately. The pot life of the mixture is 30-45 minutes at 20°C.

**Surface Application:** Apply the material with a brush, roller, spatula or airless sprayer.

**Clean Up:** Clean tools and equipment first with paper towels, then wipe with solvent. Rollers cannot be used a second time.

## Storage

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Store the product in a cool and dry place. Shelf life of the product is 1 year for Components A and B when stored properly in the original container unopened.

## Health/Safety Precautions

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Refer to Material Safety Data Sheet (MSDS) prepared as per the related EU directives before use.