

## PUR 625

Polyurethane Based, UV Resistant, One Component, Waterproofing Material

### Description

**PUR 625** is a polyurethane-based, UV resistant, single component, liquid waterproofing material that suitable for pedestrian traffic.

### Fields of Application

- On concrete, stone, metal etc.
- In gutters, channels, ducts.
- On terrace roofs.
- For protecting polyurethane foams.
- For creating a protective layer against water and moisture.

### Features and Benefits

- Excellent adhesion performance.
- High UV resistant, long life.
- Resistant to weathering conditions, diluted acid, bases, salts and chemicals.
- Single component, ready to use elastic material.
- Covers capillary cracks.
- Can be applied as a protected coating on polyurethane materials.
- Due to the elastic properties, coats well on applied surface and non cracks.
- Resistant to plant root.
- Suitable for pedestrian traffic after curing.

### Technical Data

|                     |                               |
|---------------------|-------------------------------|
| Content             | Modified polyurethane         |
| Color               | Grey / White / Special Colors |
| Density             | 1,4 g/cm <sup>3</sup>         |
| Solid Content       | 86%                           |
| Pull-out Adherence  | 9,19 Kgf/cm <sup>2</sup>      |
| Slipping Adherence  | 75,06 Kgf/cm <sup>2</sup>     |
| Hardness            | 65 Shore A                    |
| Elongation at Break | 600 % (at 20°C)               |
| Abrasion Resistance | 354 mg (TS EN ISO 5401-1)     |

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|                             |  |
|-----------------------------|--|
| Carbon dioxide Permeability | 29,59 m (TS EN 1062-6)                                   |
| Water Vapor Permeability    | 2,810 m (TS EN ISO 7783:2011)                            |
| Capillary Water Absorption  | 0,004 kg/m <sup>2</sup> .h <sup>0,5</sup> (TS EN 1062-3) |
| Impact Resistance           | ≥10 Nm (Class II) (TS EN ISO 6272-1)                     |
| Adhesion Strength           | 2,1 N/mm <sup>2</sup> (TS EN 1542)                       |
| Heat Resistance             | -35°C to +110°C  |
| Application Temperature     | +5°C to +35°C  |
| Drying Time                 |  |
| <i>Re-coat</i>              | 12 hours   |
| <i>Mechanical strength</i>  | 5 days   |
| HS Code                     | 3208.90.91.00.23   |

### Application Procedure

#### **Preparation of Substrate**

The application surface must be dry, clean and free from all types of grease. During the application, moisture must be below 4%.

#### **Application Method**

Material is ready to use. After mix well the material, it should be applied roller, brush or sprayer at least 2 coats. Recommended that waiting 12 hours before applying next coat. During the application wearing gloves is absolutely recommended. Final curing takes 5 days.

### Consumption

0,75-1,0 kg/m<sup>2</sup> for each layer. Recommended at least 2 layers application.

### Packaging

25 kg metal pail

### 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 industrial type solvents immediately after use. Dried material can only be removed mechanically.

### Cautions / Limitations

- Flammable material.
- 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.
- Avoid heavy traffic for 24 hours.

### 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.

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| <b>2765-CPR-0082</b><br><b>NO: PD-0006</b><br>EN 1504-2<br><b>PUR 625</b><br>Liquid Polyurethane Waterproofing Coating<br>Likid Poliüretan Su Yalıtım Kaplaması     |   |
| Liquid-water permeability<br>Kapiler su emme ve su geçirgenliği   | 0,004 kg/m <sup>2</sup> .h <sup>0,5</sup> |
| Carbondioxide permeability<br>Karbondioksit geçirgenliği  | S <sub>D</sub> = 29,59 m                  |
| Measurements of bond strength by pull-off<br>Çekip koparma deneyi yoluyla yapışma dayanımı  | 1,0 N/mm <sup>2</sup>                     |
| Water-vapour permeability<br>Su buharı geçirgenliği   | 2,810 m<br>Class I                        |
| Abrasion Resistance<br>Aşınma Direnci   | 345 mg                                    |
| Impact Resistance<br>Darbeye Direnç   | 1,313 mm                                  |

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