

# CERMIPROOF PB 2C

POLYURETHANE-BITUMEN BASED, 2-COMPONENT,  
HIGH ELASTIC WATERPROOFING MATERIAL



 Black

- High adhesion strength and elasticity
- Freeze-thaw resistant
- Suitable for horizontal and vertical application
- Resistant to plant roots
- High crack bridging ability
- Ease of application

## PRODUCT INFORMATION

### WHERE TO USE

- On the roof, terrace and rain gutters,
- On foundations, curtain and retaining walls,
- In balconies, patios and parking lots,
- Concrete, wood, metal etc. waterproofing material that can be used on different surfaces.

### GENERAL FEATURES

<b>Nature of Material</b>	: Polyurethane resin backed with polymerized bitumen
<b>Type</b>	: Liquid
<b>Colour</b>	: Black
<b>Density</b>	: $0.98 \pm 0,1 \text{ g/cm}^3$ (mixture)
<b>Viscosity</b>	: 4000-5000 cP

### TECHNICAL CHARACTERISTICS

<b>Hardness (7 days)</b>	: 30-40 Shore A (ASTM D2240)
<b>Elongation at Break</b>	: > 1500% (ASTM D412)
<b>Tensile strength (7 days)</b>	: > 3 N/mm <sup>2</sup> (ASTM D412)
<b>Adhesion to Concrete</b>	: > 2 N/mm <sup>2</sup> (ASTM D4541)
<b>Solids Content by Weight</b>	: > % 85-90 (ASTM D2369)
<b>Fire resistance class</b>	: E
<b>Water Vapor permeability</b>	: CLASS I
<b>Capillary water absorption and water permeability</b>	: $0.005 \text{ kg/m}^2 \cdot \text{h}^{0.5}$
<b>Adhesion by pull-off test</b>	: 1.50 MPa

(\*) 23 °C and 50% RH

### STANDARDS AND DOCUMENTS

- In accordance with TS EN 1504-2 standard
- CE

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### CONSUMPTION

- 1.5 - 2 kg/m<sup>2</sup> (2 layers application)

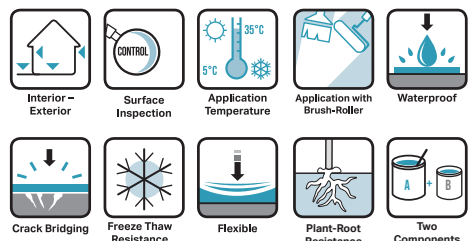
### PACKAGING(\*)

- 30 kg (15 kg + 15 kg) metal bucket

(\*) Component quantities may vary according to production conditions.

### STORAGE

- It should be stored in non-humid, dry and protected warehouses against external weather conditions.
- Shelf life is 1 year under suitable storage conditions.



Date of Revision : 20/06/2024  
Revision Number : 01

## APPLICATION

### APPLICATION PROCEDURE

- Application temperature :** +5°C - +35°C  
**Pot Life :** 40-50 min.  
**Recoat time :** 6 hours  
**Full mechanical strength:** 5-7 days  
**Mixing ratio :** A Component : B Component , 1:1  
**Application method:** Brush, roller or airless spray  
**Touch Dry Time:** 2-3 hours  
**Number of coats to be applied:** 2-3

### SUBSTRATE PREPARATION

- The humidity of the application surface should not be more than 5% and the relative humidity of the environment should not be more than 85%.
- The application surface must be clean, free of dirt, free from dust and loose particles.
- Before product application, **CERMIPRIME EPR 2C**, **CERMIPRIME PU** or **CERMIPRIME PU PLUS** primer should be applied to the surface in order to increase adhesion and it should be waited for about 4-6 hours to dry.
- Remove and repair any defects, cracks and holes on the application surface properly by using the repair mortars of **CERMIMORTAR** or **CERMIREP**.

### APPLICATION

- A low speed mixer of 15 kg A component and 15 kg B component should be mixed until it is homogeneous and lump-free.
- The prepared mixture should be applied to the surface with a brush or roller in minimum 2 coats.
- Approximately 4-6 hours after the first coat application, the second coat should be applied in the opposite direction of the first coat application. The main purpose here is to cover the surface with all the material. •Do not wait more than 24 hours between coats. In case of exceeding 24 hours, the application surface should be roughened with sandpaper.
- If the application will be made by spraying, the product can be applied after thinning with polyurethane thinner when necessary.
- The times given in the application information and steps may be shorter or longer under different ambient conditions (low/high temperature, humidity, wind, etc.).



### RECOMMENDATIONS

- If problems such as collapse, petrification, etc. are detected after the product packaging is opened, the product should not be used.
- Protect the treated surfaces from direct sunlight, rain and frost for at least 24 hours.
- In cold weather, products should be kept at room temperature for at least 24 hours before application.
- It should not be applied against negative water pressure.
- Since the product contains solvent, the environment must be well ventilated if it is applied in closed areas.

### SAFETY INSTRUCTIONS

- Due to irritant effects of the non-cured material, avoid contact to skin and eyes during storing and application.
- It is recommended to use appropriate work equipment (gloves, goggles, mask, knee pads, etc.) during application of the product.
- For more detailed information please read the Material Safety Data Sheet (MSDS).

**Note:** Technical values and application instructions are valid under ambient temperature of 23°C with relative humidity 50% and they are the results of our tests and experience in accordance with international standards. Our company is not responsible for any errors that may occur if the instructions and recommendations specified in the technical data sheets are not followed.

**CERMIX**

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