

CERMIPROOF BITUM

**POLYMER MODIFIED BITUMEN RUBBER BASED,
SOLVENT FREE, ONE-COMPONENT WATERPROOFING
MATERIAL**



 Black

- *High adhesion strength and elastic*
- *Freeze-thaw resistant*
- *Suitable for horizontal and vertical application*
- *High crack bridging ability*
- *Ease of application*

PRODUCT INFORMATION

WHERE TO USE

- On foundations, curtain and retaining walls,
- In terraces, basements and parking lots,
- In the protection and insulation of structural elements exposed to temporary or permanent water pressure,
- Bonding of insulation and drainage boards,
- For waterproofing applications on cement-based surfaces such as concrete, plaster, screed, etc.

GENERAL FEATURES

Nature of Material : Bitumen emulsion modified with polymer, special filler and chemicals
Type : Liquid
Colour : Brown, Black when dry
Density : $1,20 \pm 0,1 \text{ g/cm}^3$
Viscosity : $\geq 65 \%$

CONSUMPTION

- 1.5 kg/m² (For 1 mm thickness)

PACKAGING

- 30 kg plastic bucket

STORAGE

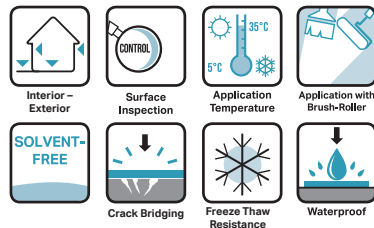
- It should be stored in non-humid, dry and protected warehouses against external weather conditions.
- Shelf life is 1 year under suitable storage conditions.

STANDARDS AND DOCUMENTS

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

TECHNICAL CHARACTERISTICS

| TEST | STANDART | CRITERION | RESULT |
|------------------------------------|------------|--|--------|
| Watertightness | EN 15820 | Period: 24 hr Water Pressure: 0,075 Bar Dry film thickness $\geq 3 \text{ mm}$ (Without glass fiber mesh) | W1 |
| Crack Bridging Ability | EN 15812 | Crack: $\geq 2 \text{ mm}$ | CB2 |
| Flexibility Low Temperature | EN 15813 | Period: 1 hr Temp: 0 °C | Pass |
| Dimensional stability at high temp | EN 15818 | Period: 2 hr Temp: 70 °C | Pass |
| Water Resistance | EN 15817 | 28 days in water | Pass |
| Rain Resistance | EN 15816 | 8 hours from application after sprinkling makes. | R2 |
| Thickness when fully dried | EN 15819 | < 50%. | Pass |
| Reaction to fire | EN 13501-1 | Euroclass | E |



APPLICATION

APPLICATION PROCEDURE

- Application temperature :** +5°C - +35°C
- Application thickness :** 3-4 mm
- Application method:** Brush, roller or airless spray
- Number of coats to be applied:** 2-3
- Recoat time :** 1 days
- Full cure :** 2-4 days

SUBSTRATE PREPARATION

- The humidity of the application surface should not be more than 8%.
- The application surface must be clean, free of dirt, free from dust and loose particles.
- Remove and repair any defects, cracks and holes on the application surface properly by using the repair mortars of **CERMIMORTAR** or **CERMIREP R3 T** and **CERMIREP R4 T**.
- Before the application, wall-floor joints should be chamfered with **CERMIREP** repair mortars.
- The application surfaces should be primed with **CERMIPROOF BITUM** diluted with 30-40% water. After the primer coat has dried (approximately 2-3 hours), the application can be started.

APPLICATION

- It was kept at room temperature for 24 hours before the application. until the packages are opened and reach a homogeneous consistency. until mixed. Mixing must be done at low speed. Should be done with a mixer and a suitable mixer tip.
- CERMIPROOF BITUM** can be applied to the surface with a brush or roller. It should be applied as 2 coats.
- Approximately 1 day after the first coat is completely dry, The second layer should be applied in the opposite direction of the first layer. The main purpose here is to cover the surface with all the material.
- 4 mm application thickness is recommended in areas subject to water pressure and in large applications. In order to achieve this, alkali resistant waterproofing mesh should be placed between the floors.
- The times given in the application information and steps may be shortened or extended under different environmental 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 underground applications, filling should be done after it is protected with appropriate thermal insulation and drainage plates.
- It should not be applied against negative water pressure.

SAFETY INSRUCTIONS

- 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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