

CERMIPROOF BITUM 2C

**POLYMER MODIFIED BITUMEN RUBBER BASED,
SOLVENT FREE, 2 COMPONENT
WATERPROOFING MATERIAL**



Black

- *High adhesion strength and elastic*
- *Freeze-thaw resistant*
- *Ease of application*

- *Fiber reinforced*
- *High crack bridging ability*
- *Suitable for horizontal and vertical 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

- A Component** : Polymer Modified Bitumen Rubber
B Component : Cement based powder
Type : Liquid
Colour : Brown, Black when dry
Density (A / A+B) : 1,02 g/cm³
Solid Content (A / A+B) : >65%

CONSUMPTION

- 1.5 kg/m² (For 1 mm thickness)

PACKAGING(*)

- 30 kg plastic bucket; 22 kg A bitumen component, + 8 kg B cement component set

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

STORAGE

- Shelf life is 1 year in original unopened and undamaged packages. Production date and charge number are indicated on the packaging.
- It should be stored at +5 °C ve + 35 °C, protecting it from humidity and direct sunlight.

STANDARDS AND DOCUMENTS

- In accordance with TS EN 1504-2 standards

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TECHNICAL CHARACTERISTICS

TEST	STANDART	CRITERION	RESULT
Watertightness	EN 15820	Period: 24 hr Water Pressure: 0,075 Bar Dry film thickness ≥ 3 mm (Without glass fiber mesh)	W2A
Crack Bridging Ability	EN 15812	Crack: ≥2 mm	CB0
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



Interior - Exterior



Surface Inspection



Application Temperature



Application with Brush-Roller



Homogeneous Mixture



Crack Bridging



Freeze Thaw Resistance



Waterproof



Two Components

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APPLICATION

APPLICATION PROCEDURE

Application method: Brush, roller or airless spray

Application thickness: 3-4 mm

Number of coats to be applied: 2-3

Application Temperature : +5 °C - +35 °C

Recoat time: 1 days

Pot Life : 1-2 hr

Drying : 1-3 days

Mixing Ratio (A/B) : 22+8 kg

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 2C** bitumen compound diluted with 20% water. After the primer coat has dried (approximately 2-3 hours), the application can be started.

APPLICATION

- Component A is mixed with a low-speed mixer for 2-3 minutes, and after resting for 3 minutes, cement-based powder B component by adding slowly, a low-speed mixer (400-600rpm) until it is lump-free and homogeneous should be mixed.
- The prepared mixture is 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 coats.
- Times given in application information and steps may be shortened or extended under different environmental conditions (low/high temperature, humidity, wind, etc.).
- Application should be done with a spray machine with nozzle dimensions in the range of 0.075 - 0.085 and a maximum pressure of 250 bar.



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.
- It should be protected from direct sunlight, rain and frost.
- 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 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: 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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