

CERMIPROOF BITUM PLUS 2C



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



Black

- *High adhesion strength and elastic*
- *Freeze-thaw resistant*
- *Ease of application*
- *High water pressure resistance*
- *High crack bridging capability*
- *Suitable for horizontal and vertical application*

PRODUCT INFORMATION

WHERE TO USE

- Bonding of boards for insulation and drainage purposes,
- In waterproofing applications on cement based surfaces such as concrete, plaster, screed etc.

GENERAL FEATURES

- A Component** : Polymer, bitumen emulsion modified with special chemicals.
- B Component** : Cement based powder
- Type** : Liquid
- Colour** : Brown, Black when dry
- Density** : 1.15 g/cm³ (mix)

CONSUMPTION

- 1.5-2 kg/m² (For 1 mm thickness)

PACKAGING(*)

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

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

STORAGE

- It should be stored in moisture-free, dry and protected against external weather conditions.
- Shelf life is 1 year under appropriate storage conditions.
- Opened packages should be kept tightly closed.

STANDARDS AND DOCUMENTS

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

TECHNICAL CHARACTERISTICS

TEST	STANDART	CRITERION	RESULT
Watertightness	EN 15820	Period: 72 hr Water Pressure: 0,075 Bar Dry film thickness ≥4 mm (Without glass fiber mesh)	W1
Crack Bridging Ability	EN 15812	Crack: ≥2 mm	CB2
Flexibility Low Temperature	EN 15813	Period: 1 hr Temp:0 °C	Pass
Dimensional stability at high temp	EN 15818	Period: 1 hr Temp:70 °C	Pass
Water Resistance	EN 15817	28 days in water	Pass
Rain Resistance	EN 15816	8 hr	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



SOLVENT-FREE



Crack Bridging



Freeze Thaw Resistance



Waterproof



Two Components

APPLICATION

APPLICATION PROCEDURE

Application Method	: Brush, roller or airless spraying
Application Temperature	: +5 °C - +35 °C
Curing	: 3 hr
Pot Life	: 1-2 hr
Full Drying	: 1-3 days
Mixing Ratio (A/B)	: 22+8 kg
Waiting time between coats	: 1 days
Application thickness	: 3-4 mm

SUBSTRATE PREPARATION

- The humidity of the application surface should not be more than 8%.
- Application surfaces must be free from dust, dirt, oil, etc. and must be dry, smooth and sound.
- Defects, cracks and holes on the surface to be applied must be corrected and repaired properly with **CERMIMORTAR** or **CERMIREP** repair mortars. Wall-floor joints should be chamfered with **CERMIREP** repair mortars before application.
- Application surfaces should be primed with **CERMIPROOF BITUM 2C** bitumen compound thinned with 20% water. Application can be started after the primer coat dries (approximately 2-3 hours).

APPLICATION

- Component A should be mixed with a low speed mixer for 2-3 minutes, after resting for 3 minutes, cement based powder component B should be added slowly and mixed with a low speed mixer (400-600 rpm) until it becomes homogeneous and without lumps.
- The prepared mixture should be applied to the surface with a brush or roller in minimum 2 coats.
- Approximately 1 day after the first coat is completely dry, the second coat should be applied in the opposite direction of the first coat. The main purpose here is to cover the surface with all the material.
- In areas exposed to water pressure and for large quantity applications, 4 mm application thickness is recommended. In order to achieve this, an alkali resistant waterproofing mesh should be placed between the layers.
- 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 packages are opened, the product should not be used.
- The applied surfaces should be protected from direct sunlight, rain and frost for at least 24 hours.
- In subsoil applications, filling should be done after protection with suitable thermal insulation and drainage boards.
- In cold weather, 2-component bituminous products will give better application performance as they dry faster than single component bituminous products.
- Should not be applied against negative water pressure.

SAFETY INSTRUCTIONS

- Avoid contact with skin and eyes..
- 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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