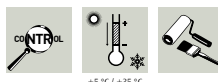


## CERMIPROOF PB 2C



**Two Component,  
Bitumen / Polyurethane Liquid,  
Waterproofing Material**



- Crack bridging.
- Easily applied (Roll, trowel, brush or airless spray).
- Seamless application.
- Waterproofing performance in water puddles.
- Improved frost resistance.
- Keeps physical properties -30 °C / +90 °C.
- Excellent adhesion.
- Chemical resistance.
- Does not contain toxic substances after curing.

### DESCRIPTION

**CERMIPROOF PB 2C** two component, ready to use, liquid, excellent adhesion to different surfaces by creating a very elastic and durable film with high mechanical and chemical resistance, tensile, tear and abrasion resistance, continuous elastic structure with shrinkage cracks bridging properties, reaction with air humidity curing, polyurethane based waterproofing material. It is based on pure elastomeric hydrophobic polyurethane resin and is extended with chemically polymerised bitumen.

### FIELDS OF APPLICATION

- Terrace, roof and rain gutters,
- Patio and balconies,
- Applied under ceramic tiles,
- Lightweight roofs made of fibrous materials and metal surfaces
- Bitumen, PVC, EPDM based membranes,
- Used with appropriate primers on concrete, wood and metal surfaces.

### PROPERTIES

PROPERTY	UNIT	METHOD	SPECIFICATION
Color			Black
Viscosity (BROOKFIELD) (23 °C and 55% RH)	cP	ASTM D2196-86 / TS 5833 EN ISO 3219	A+B 4.000 - 5.000
Density (23 °C and 55% RH)	gr/cm <sup>3</sup>	ASTM D1475 / DIN 53217 / ISO 2811	0,98±0,05

### TECHNICAL PROPERTIES

PROPERTY	UNIT	METHOD	SPECIFICATION
Flash Point	°C	ASTM D93, closed container	42
Time To Be Able To Walk On (23 °C and 55% RH)	hour	-	16-24
Full cure	day	-	5
Recoat time	hour	-	12-24
Hardness (7 day)	Shore A	ASTM D2240 / DIN 53505 / ISO 868	35
Tensile strength (23 °C and 55% RH) (7 day)	N/mm <sup>2</sup>	ASTM D412	>3,0
%Elongation (23 °C and 55% RH)	%	ASTM D412 / EN-ISO-527-3	>2.000
Pot Life (23 °C and 55% RH)	min		30

### APPLICATION

#### Surface Preparation

The application surfaces should be dry and clean. Cementitious residues can be removed mechanically; oil, grease, fuel and paraffin residues can be cleaned with chemical solvents. Damaged coatings, unlevelled surfaces and cracks should be repaired with suitable products. After repairing, the surface can be primed with PU based primers depending on the need; then the application of **CERMIPROOF PB 2C** should be started.

Concrete substrate conditions (standard):

Hardness: R28 = 15MPa.

Temperature: 5-35 °C.

Relative humidity: <85%.

#### Mixing

Mix the two components at the specified , the amounts. The prepared mixture should completely be used. In order to obtain a homogeneous mixture, the product temperature should not be less than 15 °C. The A component should be stirred quickly with a mechanical mixer, adding the hardener (component B) to the mixing ratio. Components A and B should be mixed with a mechanical mixer for at least 3 minutes until a homogenous mixture is obtained. The speed of the mixing device (with tip) should not exceed 300 - 400 D/D and a high speed drill should be avoided.

#### Primer Application

Many absorbent surfaces such as concrete, cement screed or wood should be filled with a PU primer before the application, without creating a film.

#### Application

• **CERMIPROOF PB 2C** is applied in 2 coats with thin comb trowel, airless spraying machines or brush or roller.

• Do not wait more than 24 hours between coats.

• In case of exceeding 24 hours, the application surface must be treated with sandpaper.

• When applied by spraying method, the material should be applied after being diluted with a polyurethane thinner.

• The packages which are kept at room temperature for 24 hours, should be opened and mixed until homogenous consistency is reached. Mixing should be done with a low speed mixer and appropriate mixer tip.

• Consumption control by making homogeneous spread, can be achieved with thin comb trowel, short hair roller brush or appropriate sprayer (airless spray machine) with the help of primed surfaces,.

• The coats must be protected against water and rain, external influences and mechanical stress until it is dry.

• It is recommended to wait between 12-24 hours, when applying the second layer. The waiting time may change due to external conditions.

• Full mechanical and chemical strength will occur in 5 days .

#### Cleaning of Tools

Clean the tools and equipments with warm soapy water after the application. Once **CERMIPROOF PB 2C** is cured, it can only be mechanically removed from the surface by using a suitable solvent.



#### PRECAUTIONS

- **CERMIPROOF PB 2C** should not be applied in closed areas due to long-term solvent odor or the environment should be well ventilated.
- Do not apply **CERMIPROOF PB 2C** if the ambient and substrate temperature is less than 5 °C or more than 35 °C.
- Application must be protected from direct sun-light, wind, frost, rain or water until it is dry.
- It should not be applied in closed areas due to long-term solvent odor or the environment should be well ventilated.
- In cold weather, packagings must be stored at a minimum temperature of +15 °C for at least 24 hours prior to application.
- Water vapor pressure should not be observed on the negative side. In such a case, special insulation must be applied before application.

#### CONSUMPTION

1,500-2,000 kg/m<sup>2</sup>

Consumption may vary depending on surface roughness, ambient and surface temperature and application method.

#### PACKAGING

17+17 kg

#### STORAGE & SHELF LIFE

- Store in cool and dry conditions protected from frost.
- In short-term storage, maximum 2 palettes can be stored on top of each other and delivery must be according to first in first out system.
- In long-term storage, do not store palettes on top of each other.
- 12 months after the production date under appropriate storing conditions, and ambient temperature between +15 °C / + 25 °C.

#### HEALTH AND SAFETY PRECAUTIONS

- Work cloth, protective gloves, goggles and masks concordant with Work and Worker Health rules must be used during the application.
- Due to irritant effects of the non-cured material, avoid contact to skin and eyes during storing and application.
- If such a contact occurs, skin and eyes must be washed by soap and plenty of water.
- Consult a physician urgently if swallowed.
- Food and drink must be kept outside the application areas.
- Must be stored away from children.
- Please look at the Material Safety Data Sheet for detailed information.

Note: The initial controls of our product are made during the production phase. We guarantee the stability of our products' quality. All recommendations and instructions on the technical sheet are generally based on our experience. Please contact us for applications on special surfaces not mentioned in the technical sheet. Our company reserves the right to update the information on the technical sheet in the case of technical necessities without prior notice. This new catalogue supercedes the previous editions.

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