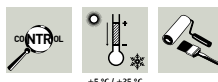


## CERMIPROOF PU 2C



*Two Component, Polyurethane Based,  
Liquid, Waterproofing Material*



- Solvent free,
- Elastic,
- Resistance to temperature variations (-30°C/+120°C),
- Self levelling,
- Easily applied (With roll or airless pistol),
- Excellent adhesion,
- High chemical resistance (solvents, oils, sea water, thinned acids and sulfates),
- Does not contain toxic substances after curing.

### DESCRIPTION

**CERMIPROOF PU 2C**, two component, solvent free, hard elastic, UV resistant, cold applied and cold curing polyurethane liquid waterproofing material. **CERMIPROOF PU 2C** can be used on light pedestrian and be applied under concrete, cement floor or tiles.

### FIELDS OF APPLICATION

- Terrace roofs,
- Patio and balconies,
- Submerged wet areas,
- Basic curtain walls,
- In contact with fuels,
- Underground water structures.

### PROPERTIES

PROPERTY	UNIT	METHOD	SPECIFICATION
View A Component: Waterstop B Component: Hardener	-	-	ASTM D1475 / DIN 53217 / ISO 2811
Mixing ratio A Component: Waterstop B Component: Hardener			5:1
Mixture Density (23 °C ve 55% RH)	gr/cm <sup>3</sup>	ASTM D1475 / DIN 53217 / ISO 2811	1.40 ±0.05

### TECHNICAL PROPERTIES

PROPERTY	UNIT	METHOD	SPECIFICATION
Application time	minutes	-	55-60
Walking time on	hours	-	8-12
Solid matter ratio	%	-	~90
Serve temperature	°C	-	+5 °C/+30 °C
Shore A hardness	Shore A	ASTM D2240 / DIN 53505 / ISO R868	40
Tensile strength	N/mm <sup>2</sup>	ASTM D412	>2
Elongation at break	%	ASTM D412	>400

### 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.

Concrete substrate conditions (standard):

Hardness: R28 = 15MPa.

Temperature: 5-35 °C.

Relative humidity: <85%.

#### Mixing

The mixing time of the two components should be taken into account and prepared at the specified mixing rate until the amount to be consumed. 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 homogenous. The mixture of the material should be made with a special mixing device and tip which does not exceed 300-400 d/d and it should not be mixed with high speed drill.

#### Primer Application

Many absorbent surfaces such as concrete, cement screed or wood should be filled with PU lining before the primer application, without creating a film. After repairing, the surface can be primed with PU based primers depending on the need; then the application of **CERMIPROOF PU 2C** should be started.

#### Application

• **CERMIPROOF PU 2C** is applied on the floor by brush or roller. Air bubbles should be taken with a hedgehog roller within 10 minutes.

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

• **CERMIPROOF PU 2C**, offers practical application in ready-to-use packaging, which can be applied without thinning.

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

• Wait approximately 24-36 hours between the applications of two layers. The waiting time of the layers in hot weather may be shortened and may be extended in cold weather.

#### Cleaning of Tools

The cleaning of the tools is done with Polyurethane Thinner.



#### **PRECAUTIONS**

- The surface temperature should be +5 °C.
- 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.
- After the application, the surface must be protected against water, rain, dew, snow, hail etc. until it is dry.
- When opened packages are tightly closed, the inside of the product will freeze quickly so that the opened cans will be consumed.
- Full mechanical and chemical strength will occur in 7 days should be considered.

#### **CONSUMPTION**

First layer: 1.4 kg/m<sup>2</sup>, for 1mm thickness.

#### **PACKAGING**

10+2 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 done 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, protected from moisture, water and sunlight.

#### **HEALTH AND SAFETY PRECAUTIONS**

- Do not approach with open flame and do not smoke during application.
- Wear gloves, goggles and protective clothing.
- In case of contact with skin, wash with soap and water.
- Do not swallow, do not use empty packages for food storage and do not dispose of in a fire.
- For professional use only, keep out of reach of 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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