

CERMIPROOF PU 2C

POLYURETHANE-BASED, 2-COMPONENT, SOLVENT-FREE WATERPROOFING MATERIAL



Grey



- Suitable for pedestrian traffic with its hard elastic structure
- UV and weather resistant
- High tear and abrasion resistance
- Strong adhesion to different surfaces
- Chemical resistance
- Ease of application, self-levelling

PRODUCT INFORMATION

WHERE TO USE

- On roofs, terraces and balconies,
- In water tanks,
- On floors that come into contact with fuels,
- On foundation and curtain walls,
- In waste water treatment pools,
- Concrete, wood, metal etc. UV resistant waterproofing material that can be used on different surfaces.

GENERAL FEATURES

Nature of Material : Polyurethane resin and hardener with additives providing water impermeability and UV resistance.

Type : liquid

Colour : Grey

Mixture Density : 1,40 gr/cm³

Viscosity : A Comp. : 10000-15000 cP
B Comp. : 200-400 cP



PACKAGING(*)

- 10 kg (A component, resin) + 2 kg (B component, hardener)

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

TECHNICAL CHARACTERISTICS

Hardness (7 days) : 75-85 Shore A (ASTM D2240)

Tensile strength (7 days) : 12-24 N/mm²

Elongation at break : % 35

(*) 23 °C ve %55 RH

STORAGE

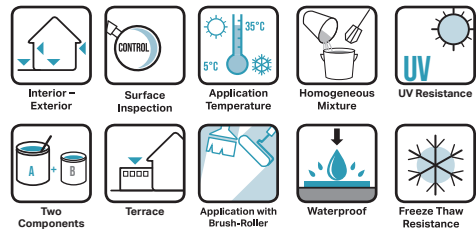
- It should be stored in non-humid, dry and protected warehouses against external weather conditions.
- Shelf life is 1 year under suitable storage conditions.

STANDARDS AND DOCUMENTS

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

CONSUMPTION

- 1,4 for 1 mm thickness



APPLICATION

APPLICATION PROCEDURE

- Application temperature :** +5°C - +35°C
Application method: Brush, roller, trowel or airless spray
Mixing ratio : A Component : B Component , 5:1
Pot life: 35-40 min.
Number of coats: 2-3
Application thickness: 1-1.5 mm
Recoat time: 8-12 hours

SUBSTRATE PREPARATION

- The humidity of the application surface should not be more than 5% and the relative humidity of the environment should not be more than 85%.
- The application surface must be clean, free of dirt, free from dust and loose particles.
- Before product application, **CERMIPRIME EPR 2C**, **CERMIPRIME PU** or **CERMIPRIME PU PLUS** primer should be applied to the surface in order to increase adhesion and it should be waited for about 4-6 hours to dry.
- Remove and repair any defects, cracks and holes on the application surface properly by using the repair mortars of **CERMIMORTAR** or **CERMIREP**.
- In cases where chamfer tape will not be used, wall-floor joints should be chamfered with **CERMIREP** repair mortars before application.

APPLICATION

- 2 kg of B component is added to 10 kg of component A. A low speed mixer should be mixed until it is homogeneous and lump-free.
- The prepared mixture is applied to the surface with a brush or roller. It should be applied in 2 coats. First coat from right to left or when applied from top to bottom, wall-floor junction **CERMITAPE TPE** should be used in places.
- Waiting time between coats is 24 hours. The application surface should be roughened with sandpaper.
- If the application will be made by spraying, the product can be applied after thinning with polyurethane thinner when necessary.
- The times given in the application information and steps may be shortened or extended in different ambient 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 cold weather, products should be kept at room temperature for at least 24 hours before application.
- CERMIPROOF PU** is resistant to UV rays. However, when exposed to intense UV rays, although there is no problem with its waterproofing function, it may turn yellow over time. It is recommended to apply a top coat of **CERMICOAT PU 2CA** to increase color resistance and longer-term protection.
- It should not be applied against negative water pressure.
- Protect the treated surfaces from direct sunlight, rain and frost for at least 24 hours.

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: 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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