

# CERMIPROOF UV

## CEMENT BASED, 2 COMPONENT, ELASTIC, UV RESISTANT WATERPROOFING MATERIAL



White



- Resistant to UV rays and light pedestrian loads
- Elastic
- Suitable for horizontal and vertical applications
- Crack bridging, fiber reinforced
- Ease of application
- Freeze-thaw strength
- Non-corrosive and non-toxic

## PRODUCT INFORMATION

### WHERE TO USE

- On terrace roofs that will be left open,
- It is also suited to application on wet areas such as pools, water tanks, wc, balcony etc.
- For waterproofing applications on cement based surfaces such as concrete, plaster, screed etc. indoors and outdoors.

### GENERAL FEATURES

**Nature of Material** : Contains high quality cement. It contains additives that provide water impermeability and UV resistance, and fibers reinforced, liquid polymer.

**Type** : Powder+liquid

**Colour** : White

**Density** :  $1.80 \pm 0.1 \text{ g/cm}^3$  (mixture)

### CONSUMPTION

- 1,4-1,6 kg/m<sup>2</sup> for 1 mm thickness

### PACKAGING

- Craft sack of 25 kg (component A) + plastic drum of 8 Lt (component B)

### STORAGE

- Moisture-free, dry and protected against external weather conditions should be stocked in warehouses.
- Shelf life is 1 year under suitable storage conditions.
- Opened packages should be kept tightly closed.

### STANDARDS AND DOCUMENTS

- TS EN 14891
- TS EN 1062-11
- Public Works Pos. No. 04.477/1

### TECHNICAL CHARACTERISTICS(\*)

**Temperature resistance** : - 30 °C +70 °C

#### Tensile strength

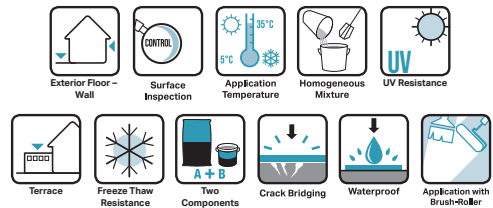
- Initial tensile adhesion :  $\geq 0,5 \text{ Mpa (N/mm}^2\text{)}$
- After contact with water :  $\geq 0,5 \text{ Mpa (N/mm}^2\text{)}$
- After heat ageing :  $\geq 0,5 \text{ Mpa (N/mm}^2\text{)}$
- After freeze-thaw cycle :  $\geq 0,5 \text{ Mpa (N/mm}^2\text{)}$

**Crack-bridging** :  $\geq 1 \text{ mm}$

**Waterproofing** :  $\geq 1,5 \text{ bar}$

(On positive side for thickness of 3mm)

(\*) These values are results of laboratory tests and they are performance values recorded 28 days after the finished applications.



## APPLICATION

### APPLICATION PROCEDURE

**Pot life:** Maximum 5 hours

**Outdoor air temperature:** +5 °C , +35 °C

**Application thickness:** 2-3 mm

**Wait time between coats:** Minimum 6 hours

**Time for gaining mechanical strength:** minimum 2 days

**Time to become waterproof:** 7 days

### SUBSTRATE PREPARATION

- The application surface must be clean, free of dirt, free from dust and loose particles.
- The surface should not be too dry or completely wet before application.
- Apply **CERMIFILM** primer to the surface prior to application of the product to improve adhesion to the surface and wait 1 hours for the primer to dry.
- Reduce the surface temperature by moistening the surface with water spray method prior to application on surfaces exposed to direct sunlight or on overheated surfaces.
- 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 cannot be used, chamfer the wall-floor joints with **CERMIREP** repair mortars before application.

### APPLICATION

- Gradually add 25 kg of powder component A to 8 lt of liquid component B
- Mix the product a low-speed (400 rpm) mixer until the mixture is homogeneous and free of lumps.
- Allow the mixture to rest for 3 minutes prior to application and apply after mixing it again.
- The prepared mixture should be applied to the surface with a hard brush in minimum 2 coats. The first coat should be applied from right to left or top to bottom and our **CERMITAPE TPE** should be used at wall-floor joints.
- 2. coat should be applied 6 hours after the application of the first coat in the opposite direction to the first one. The main objective here is to cover the surface with the entire material.
- Proceed to the next stage after waterproofing after minimum 2 days.
- 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

- The mixing ratio of components A and B is shown on the package and a different mixing ratio should not be used. You must not add water and another material add to the product.
- Do not use the product if you encounter problems of precipitation and petrification after unpacking the product.
- Do not apply directly on the metal, rubber, PVC, wooden, cement-based chipboard and aerated concrete surfaces.
- CERMIPROOF UV** is a waterproof material developed for under-coating applications and therefore should not be left exposed and must be covered with a suitable coating material.
- Surfaces applied with the product should be protected from direct sunlight, rain and frost for minimum 1 day.

### SAFETY INSRUCTIONS

- As it is cement based, do not inhale and avoid of its 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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