

# CERMIPROOF FF PLUS

## CEMENT BASED, 2 COMPONENT, FULLY-ELASTIC WATERPROOFING MATERIAL



Gray



- High elasticity and adhesion strength
- Non-corrosive and non-toxic
- Easy to apply
- Suitable for horizontal and vertical application

- Suitable for contact with drinking water
- High freeze-thaw strength, fiber reinforced
- High crack bridging ability on surfaces subject to movement

## PRODUCT INFORMATION

### WHERE TO USE

- Large-sized terrace applications
- Permanently wet spaces such as Olympic swimming pool, water tank
- Foundation and curtain walls
- For waterproofing applications on cement based surfaces such as concrete, plaster, screed etc. indoors and outdoors.

### PRODUCT INFORMATION

**Nature of Material** : Contains high quality cement, it contains water impermeability additives and fibers reinforced, liquid polymer.

**Type** : Powder+liquid

**Colour** : Gray

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

### TECHNICAL CHARACTERISTICS(\*)

**Temperature resistance** : - 40 °C +80 °C

#### Tensile strength

- Initial tensile adhesion :  $\geq 0,5 \text{ Mpa (N/mm}^2)$

- After contact with water :  $\geq 0,5 \text{ Mpa (N/mm}^2)$

- After heat ageing :  $\geq 0,5 \text{ Mpa (N/mm}^2)$

- After freeze-thaw cycle :  $\geq 0,5 \text{ Mpa (N/mm}^2)$

**Crack-bridging** :  $\geq 1.25 \text{ mm}$

**Waterproofing** :  $\geq 7 \text{ bar}$

(on the positive side for 3 mm thickness)

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

### CONSUMPTION

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

### STANDARDS AND DOCUMENTS

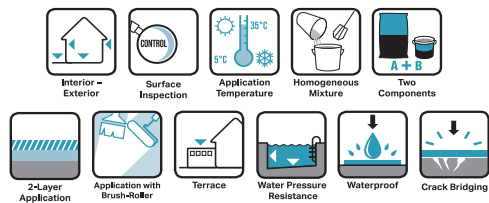
- TS EN 14891
- Conformity report for contact with drinking water
- CE
- Public Works Pos. No. 04.477/1

### PACKAGING

- In set of kraft bags, 20kg, (component A); plastic drum 10 l (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.



## CERMIPROOF FF PLUS

## APPLICATION

## APPLICATION PROCEDURE

**Pot life:** Maximum 5 hours

**Application temperature:** +5 °C , +35 °C

**Application thickness:** 2-3 mm

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

**Wait time prior to ceramic application:** Minimum 2 days

**Time for gaining mechanical strength:** 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

•20 kg of powder component is slowly added to 10 lt of liquid component.

•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.

•It has been developed for waterproofing applications under **CERMIPROOF FF PLUS** coating and for positive purposes, it should be made open 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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