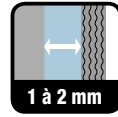




# CERMIPROOF FLEX

## MORTAR FOR WATERPROOFING AND PROTECTING CONCRETE



 Grey
  White

### DESCRIPTION

CERMIPROOF FLEX is a mortar for waterproofing and protecting concrete.

**Component A** : Powder containing hydraulic binders, selected fillers and admixtures

**Component B** : Liquid containing acrylic polymers in an aqueous phase.

### ADVANTAGES

- Optimal adhesion to the substrate
- More flexible than a traditional mortar
- Waterproofing but permeable to water vapor
- Resists hydrostatic pressures and counterpressures
- Excellent prevention for carbonation

### WHERE TO USE

- In substructures
- In tanks, containment basins
- In sewage systems
- To bridge cracks (with reinforcing mesh) and minor alligator cracking
- To protect concrete from carbonation
- For wall/slab connections (with reinforcement)
- To repair concrete (with or without reinforcement)
- To protect from chlorides

### HOW TO USE

Note: The following is a typical description of the application. If your site has other parameters, contact our Technical Department.



Application temperature



8L for 23 kg



Pot life 60 min



Clean with water



### TOOLING

Float

CERMIBRUSH

Mixer with a slow rotation speed (400-600 rpm)

### SUITABLE SUBSTRATES

Concrete

Masonry (through stone, blocks)

Cement renders

### SURFACE PREPARATION

The substrate must be clean, free of grease and have any loose material removed.

Remove any existing coatings, lime renders, acrylic paint, laitance, foam, or other contaminants that may compromise the adhesion of CERMIPROOF FLEX.

Methods to do this include finishing with a bush hammer, milling, hammering or any other method that will produce an average adhesive bond value  $\geq 1.5$  MPa on average.

Do not use aggressive methods that can damage the substrate.

For any cracks and holes, enlarge and repair with CERMIREP repair mortar (class R3 or R4).

Stop up any water leaks with CERMIPUG.

The day before application, moisten the substrate to its core without making it leach (mat damp).

Protect the surfaces to be coated from frost, direct sunlight, wind and rain for at least 24 hours before, during and after application.

### PREPARING THE MIXTURE

Gradually pour the whole powder (component A) into 4/5 of the volume of component B (i.e. 6.4 L) and mix with a low-speed mixer (400-600 rpm) until a «pancake batter» consistency is obtained.

Allow to rest for 5-10 min.

Mix again by adding the rest of component B (i.e. 1.6 L).

### APPLICATION

Apply two coats using criss-cross passes. Use a brush to apply the first layer on the substrate.

Once it is dry to the touch, apply the second coat. The average thickness of the dry coating must be at least 1.5 mm.

### Treatment of cracks and micro-cracks

Taking into account the A3 classification, treat stable cracks of less than 0.5 mm with CERMIPROOF FLEX by inserting the AT 75 reinforcement between the two coats.

### APPLICATION CONDITIONS

Application temperature: from +5 to +30°C

Pot life: 60 min

Start of set: approximately 2 hours

End of set: Approximately 3 hours

Wait between 2 passes: from 1 to 1.5 hours

### CLEANING AND MAINTENANCE

The equipment must be cleaned immediately with clean water.

Once cured, the product has to be removed mechanically.

### COVERINGS

The hardened product must remain bare. Do not coat it.

### COMMENTS

When windy or sunny, the product's very high resin content may lead to a skin forming on the fresh product in the mixing container. The dry skin cannot be used and has to be removed.

NaCl electrolysis treatment can generate brown/black surface deposition.

## TECHNICAL CHARACTERISTICS

### COVERAGE


About 3 kg/m<sup>2</sup> for 2 coats.

### TECHNICAL CHARACTERISTICS

Characteristics	Value
Particle size	0-0,3 mm
Pressure resistance <sup>(1)</sup>	1,4 MPa
Resistance to counterpressure <sup>(1)</sup>	0,5 MPa
Crack resistance (-10°C) <sup>(2)</sup>	A3
Powder density	0,91

(1) Test carried out according to DTU 14.1

(2) Associated with reinforcement AT75

 0749-CPD	
<b>CERMIPROOF FLEX</b> CERMIX- Rue de la Belle Croix - 62 240 DESVRES	
13	
EN 1504-2 Surface protection product for concrete Rigid coating according to methods 1.3/2.2/8.2	
Capillary absorption	$w < 0,1 \text{ kg/m}^2 \cdot \text{h}^{0,5}$
Water vapour permeability	Class I
CO <sub>2</sub> permeability	$s_b > 50 \text{ m}$
Pull-off adhesion test	$\geq 0,8 \text{ MPa}$
Reaction to fire	Class F
Hazardous substances	See safety data sheet

### REFERENCE DOCUMENTS

Eurofins / Certificate of conformity to positive reference lists No. 18

CLP NY 001 (Valid until 01/2023)

DTU 14.1 Cuvelage. [Tank lining]

Specification 74 Réservoirs. [Tanks]

DTU 20.1 Ouvrages en maçonnerie de petits éléments - Parois et murs.  
 [Small masonry elements - walls and partitions.]

## PACKAGING

CERMIPROOF FLEX	Component A	Component B
31 kg kit	23 kg bag	8 L can

## STORAGE & SHELF LIFE

Can be stored for 12 months from the manufacturing date in the original, unopened packaging.

Store in a dry place at temperatures between +5°C and +35°C.

## SAFETY INSTRUCTIONS

- EMISSIONS IN INDOOR AIR (1): Information on the level of volatile substances emitted in air indoors, presenting a toxicity risk by inhalation, on a classification scale ranging from A+ (very low emissions) to C (high emissions).
- Consult the safety data sheet at [www.quickfds.fr](http://www.quickfds.fr) or ask CERMIX France for it.
- Always wear personal protective equipment that meets current guidelines and regulations.
- Dispose of the contents and container in accordance with local/regional/national/international regulations.

## LIMITS

In accordance with standard NF P 10-202 (DTU 20.1) the use of CERMIPROOF FLEX in substructures does not exclude:

- tank linings when the foundation is permanently in the water table.
- foundation drainage in the case of running water. Masonry must be protected from rising damp.

We reserve the right to update this technical document. It is the user's responsibility to always check whether there is a more recent version available at our website, [www.cermix.com](http://www.cermix.com). It is the responsibility of the person using the products to ensure that the products are compatible and suitable for the planned use. Prior tests may be carried out to confirm that products behave as expected.