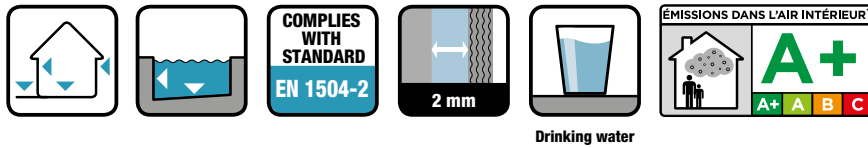


CERMIPROOF FC

THIN CEMENT WATERPROOFING COATING FOR CONCRETE AND MASONRY



 Grey



DESCRIPTION

CERMIPROOF FC is a blend of hydraulic binders, highly pure perfectly sized silica sands, and specific admixtures.

ADVANTAGES

- Excellent adhesion
- Waterproofing but permeable to water vapour
- Resists hydrostatic pressures and counter pressures.
- Can be applied directly to concrete and masonry support.

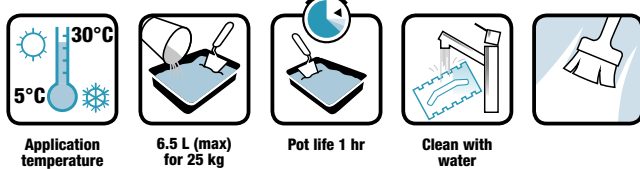
WHERE TO USE

Waterproofing and protection of concrete and masonry, such as in:

- Substructures
- Basins, reservoirs and tanks
- Water treatment plants and wastewater collectors
- Sewage systems
- Swimming pools

HOW TO USE

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



TOOLING

CERMIBRUSH

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

SUITABLE SUBSTRATES

Concrete
Masonry (through stone, blocks)
Cement renders

SUBSTRATE PREPARATION

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

Methods to do this include finishing with a bush hammer, milling, hammering or any other method that will produce an average adhesive bond value ≥ 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 CERMIPLUG.

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

PREPARING THE MIXTURE

Mix 25 kg of CERMIPROOF FC with a maximum of 6.5 L of water.

Gradually pour powder into water (5.9 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, if necessary, adding a small amount of water.

Do not exceed the maximum amount of water.

HOW TO APPLY THE SYSTEM

Using a CERMIBRUSH, apply two coats 1 mm each in a criss-cross manner on a mat damp substrate. The second layer must be applied vertically.

Due to its low particle size CERMIPROOF FC must be applied in millimetre thickness.

APPLICATION CONDITIONS

Application temperature: +5°C to +30°C

Pot life: 1 hr

Start of set: approximately 2.5 hr

End of set: approximately 4 hr

CLEANING AND MAINTENANCE

The equipment must be cleaned immediately with water. Once cured, the product has to be removed mechanically.

COVERINGS

The hardened product must remain bare.

Do not coat it.

COMMENTS

Do not apply at temperatures below +5°C or that could fall below +5°C within 24 hours.

In rainy weather, protect the work site so as not to wash the product before it is set.

In hot weather, it may be necessary to moisten the previous coat so that application is on a mat damp surface.

Curing of the product: in hot weather or high winds, protect the coat applied with a damp geotextile.

TECHNICAL CHARACTERISTICS

COVERAGE

About 3 kg/m² for 2 coats.

TECHNICAL CHARACTERISTICS

Characteristics		Value
Particle size		0.8 mm
Compressive strength		50 MPa (28 days)
Density	Powder	0,97
	Paste	1,77
Adhesion (28 days)		2 MPa
Hydrostatic pressure strength		1,1 MPa
Hydrostatic counterpressure strength		0,6 MPa



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CERMIPROOF FC

CERMIX- Rue de la Belle Croix - 62 240 DESVRES

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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 ₂ permeability	$s_d > 50 \text{ m}$
Pull-off adhesion test	$\geq 2,0 \text{ MPa}$
Reaction to fire	Class F
Hazardous substances	See safety data sheet

REFERENCE DOCUMENTS

Eurofins / Certificate of conformity to positive reference lists No. 17 CLP NY 056 (Valid until 12/2022)

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

25 kg bag; 48 bags per pallet

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 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), using CERMIPROOF FC 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. 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.