



FESTER CR-66

Super flexible Cementitious Waterproofing System.

Vapor barrier and super flexible cementitious waterproofing system, bicomponent that when they are mixed, becomes creamy, soft and easy for its application. This product is formulated with special additives and polymers resistant to alkalis.

USES

- For waterproofing systems and protect surfaces with or without movement, subject to positive and negative hydrostatic pressures.

ADVANTAGES

- It is vapor barrier.
- Flexible waterproofing system.
- It does not need to be warmed up to be applied.
- It overlaps existing cracks and fissures up to 4 mm
- It bears surface movements caused by temperature changes and humidity.
- Quick drying
- It does not require curing
- It can be painted, coated with gypsum, ceramic mortar or epoxy coatings, etc.
- For indoors and outdoors.
- Simple, practical and quick application.
- Application with paintbrush, trowel or brush.
- It can be applied on surfaces when removing the formwork after 72 hours.
- It is weathering resistant, does not need to be covered
- Solvent and hazardous materials-free
- It resists occasional pedestrian crossing
- Resistant to positive pressure up to 7.5 bar (75 m water column) and negative pressure up to 0.15 bar (1.5-meter water column)
- It protects concrete from carbonation and corrosion.
- Resistant to concrete alkalinity and other construction materials.

APPLICATION INSTRUCTIONS

1. Surface preparation

Make sure the surface is in good conditions, clean, without curing membranes, and free from poorly adhesions and pollutants (such as oils, greases, release agents, waxes, slimes and others) for ensuring the product a good performance. Restore cracks, fissures and cavities of less than 4 mm with Fester CR-66 and repair any cracks of more than 4 mm Making a remedial treatment with Mortar Fester CM-200. For repairs in cracked structural elements, use Fester Epoxine-220.



Repair the water outlet in concrete and masonry elements, with the plugger Fester CX-01 (see Technical Data Sheets).

In absorbing surfaces, saturate the surface with water.

2. Mixture preparation

“A+B” Mixture: In a clean container put the component “B” (resin) and slowly add the component “A” (powder). Mix with a drill with propeller for 4 minutes, drag from the walls and bottom with a wood shovel any material that did not incorporate and mix other 2 minutes until obtaining a homogeneous grout without flocs.

3. Application

Before starting the application of the waterproofing system of the entire element, it is recommended to reinforce critical points (such as angles, cracks and construction joints), with supporting Fester Acriflex or Fester Revoflex mesh and Fester CR-66.

Apply the first coating layer of Fester CR-66 at a yield of 1 L/m², leaving an average thickness of 1 mm of fresh mixture. Let it dry 3 hours. Apply a second coating layer of the product with the same yield and thickness and let it dry 3 hours for applying a third coating layer of the product.



YIELD	
APPLICATION	YIELD
Foundation walls	3.5 kg of mortar (2 L /m ²) in 2 layers
Balconies and terraces	4 kg of mortar (2 L /m ²) in 2 layers
Walls (slab, block, gypsum panels)	4 kg of mortar (2 L /m ²) in 2 layers
Shower rooms, kitchens and laundry rooms	3.5 kg of mortar (2 L /m ²) in 2 layers
Water tank, water mirror or others	5 kg of mortar (3 L /m ²) in 3 layers

IMPORTANT INFORMATION

Follow the recommendation in the YIELD table. After 24 hours, it is possible to apply coatings (such as plastering, textures, paint, tiles, etc)

Note: Each liter of fresh product applied on 1 m², generates 1 mm of thickness and 0.85 mm once it is dry.

After 72 hours it is important to wet the surface and then apply the next layer.

Do not mix the product with any other material different from Fester CR-66.

For bearing the pressures previously indicated, will depend on the resistance and substrate quality.

PRECAUTIONS

The unit is ready to be mixed and used.

Do not add water to the product.

During the coating layer application, it is not necessary to wet the previous surface, unless 72 hours have elapsed.

Avoid the application of Fester CR-66 at temperatures lower than 5 °C.

PHYSICAL PROPERTIES

TEST	CRD/ASTM/DIN/EN METHOD	SPECIFICATIONS	FESTER TYPICAL VALUES
Mixture density (component A + B) [g/cm ³]	ASTM C 185	1,55 a 1,65 g/cm ³	1,59 g/cm ³
Resistant to leakage	Internal method	It must not leak (application of 2 mm thick, fresh mixture)	Complies
Resistant to rain at early ages	Internal method	There is no damage for the coating layer when it exposures after 3 hours applied (2 mm of thickness)	Complies

If during the product application, the surface is hot because of the weather conditions, apply water to the substrate, this will reduce the temperature.

It is not recommended to apply this product as waterproofing system on slabs of roof or rooftop.

Use the recommended safety equipment (consult the safety sheet).

Keep out of reach of children.

In case of eye contact, wash immediately with plenty water.

PACKAGING

PRESENTATION	Unit with 35 kg / 21 L (A+B) A: 25 kg Bag B: 10 kg Sack
COLORS:	Gray and white
STORAGE	Store it in a cool and dry place, protected from sunlight.
EXPIRATION	12 months
MAXIMUM STOWAGE	25 kg Bag 4 pieces one on top of the other 10 kg Sack: 3 pieces one on top of the other

ECOLOGICAL FEATURES

Fester CR-66 contributes to increase the demand of construction materials and products extracted or manufactured in the region, reducing the environmental impact of transportation.

Fester CR-66 contributes to improve the environment quality, since it does not have pollutants with bad odor, irritating or harmful for the well-being of workers and residents. The VOC content is 38.40 g/L.

Production site: Carretera Panamericana Km. 312 Tramo Libre. Celaya-Salamanca, Guanajuato CP. 36700.



TEST	CRD/ASTM/DIN/EN METHOD	SPECIFICATIONS	FESTER TYPICAL VALUES
Pedestrian crossing resistance	Internal method	After 5 hours	Complies
Time window (to apply)	---	1 hour approximately	Complies
Temperature range for application	---	From 5 to 40 °C	Complies
Waterproofing Positive Pressure	DIN 1048, section 5	Exposure of layer applied to 3 mm at 5 bars of pressure for 72 hours	Complies
Water steam transfer and waterproofing	ASTM E 96	0,1 perm/inch maximum	0,08 perm/inch
Film water absorption [%]	Internal method	< 10% at 7 days of exposure	8.0%
Accelerated aging	ASTM G 154 and ISO 4582	Exposure at 3550 h (10 years)	No failure
Elongation at 2.0 mm thick [%]	ASTM D412	100 % minimum	90 %
Tensile strength at 2.0 mm of thickness [g/cm ²]	ASTM D412	> 3 g/cm ²	4,0 g/cm ²
Capacity to cover cracks at 3.0 mm of thickness	ASTM C 1305	>=2,5 mm	3 mm
Adhesion to Concrete (pull off tester) [N/mm ²]	ASTM D 7234	> 1 N/mm ²	1,35 N/mm ²
Recommended thickness per layer of mixture [mm]	Internal method	1 mm +/- 0,1 mm	1,0 mm
Layer thickness at 1 mm/m ² dry [mm]	Internal method	> 0,80 mm	0,85mm

Note: the technical data included was obtained under laboratory conditions (23.0 +/- 1.5°C and 50% relative humidity minimum).



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