



FESTER CL-52

Ready-to-use, single-component, super-fast drying waterproof membrane.

Creamy liquid product composed of high quality polymers in water solution that once dry forms a flexible, waterproof membrane.

Complies with DIN EN 14891

USES

Recommended for waterproofing vertical or horizontal concrete surfaces, sand-cement finishes, mortars and prefabricated panels in:

- Shower stalls and walls in bathrooms.
- Kitchens.
- Laundry rooms.
- Saunas and steam rooms.
- Terraces and balconies (See Important Information section).
- Any other enclosure exposed to high humidity and/or frequent water spills

Waterproofing is performed before installation of ceramic tiles, stone facing, mortars, terrazzo or any other finish.



ADVANTAGES

- Ready to use. Does not require mixing with other products.
- Forms a semi-elastic, waterproof membrane that allows light pedestrian traffic after only two hours.
- Ceramic tiles can be installed 4 hours after the second coat is applied. Note: Times may vary depending on the temperature and ventilation conditions.
- Highly receptive to ceramic adhesives. Note: This assertion is based on the use only of high quality tile adhesives.
- Resists contact with water containing common detergents, soaps, fabric softeners, grease and cleaners. Note: All these ingredients diluted in water as commonly happens in bathrooms and kitchens.
- Consistency of product allows easy application and control on horizontal, vertical and inclined surfaces.

APPLICATION INSTRUCTIONS

1. Surface preparation.

Take into consideration that is for use on surfaces to be finished with ceramic tiles or other facings. Surfaces must be in good conditions, free of saltpeter, contaminants, grouts, bumps or peeling material from previous coatings. Holes and other imperfections must be patched. Concrete surfaces must have cured for at least 2 weeks. Surface must be completely free of dust, protrusions, loose or flaking material. If surface has an excessive dust, we recommend washing with pressure washer and allowing to dry prior to application of waterproofing. When used on polished concrete surfaces, pores should be opened for best results. If due to surface conditions, rapid surface repairs are required, consult **Fester CM** technical data sheets.

Although not strictly necessary, primer should be used on highly porous and absorbent surfaces. This will facilitate uniform application, while reducing formation of bubbles, pits or other defects that otherwise would require a second coat of waterproofing.



2. Preparation and application of primer

When primer is not used, we recommend moistening the surface using a spray as you proceed with the first coat of **Fester CL-52**. Primer can be made with 2 liters of water to 1 liter of **Fester CL-52** evenly mixed.

Primer is applied with brush or plush roller with a yield of approximately 4 to 5 m²/L. This yield can vary with the texture and porosity of the surface. Allow primer coat to dry for 25 to 35 minutes before applying undiluted waterproofing.

3. Fester CL-52 application

Any construction undergoes normal settling or expansion and contraction due to temperature changes; therefore critical points must be reinforced with extra waterproofing. These critical points include floor-to-wall joints or wall-to-wall corners, or any other joints or fissures, as well as around water drains (on this last case, for best results, clean PVC and metal surfaces with sand paper). Apply undiluted **Fester CL-52** by sections, brushing the **Fester Acriflex** membrane in place with at least 5 cm of membrane on each side of the critical site. Allow membrane to dry for 1 hour and apply the first coat over the entire surface, using a plush roller or brush. Wait 50 to 70 minutes before applying the second coat, brushing crosswise to the first coat. Allow waterproofing to dry for at least 4 hours after the last coat.

YIELDS

- When used as primer, **Fester CL-52** yields 12 to 15 m²/L (undiluted). The diluted product yields approximately from 4 to 5 m²/L.
- For waterproofing coats, the yield is 0.5 L/m² per coat, which is equal to 1 L/m² in 2 coats.

Note: Yields may vary depending on texture and porosity of surface. Yields indicated represent minimum consumption L/m². As more waterproofing coats are applied the performance of the system is enhanced.

IMPORTANT INFORMATION

- Ceramic tile adhesive can be applied directly over the **Fester CL-52** waterproof coat; however, for optimal adhesion of tiles, we recommend irrigating fresh final coat of waterproofing with sand (mesh 16-30) on the surface after application of the second layer and while the product is fresh.

- The drying times cited are for conditions of 25 °C, at ambient humidity of 50% with normal ventilation. Keep in mind that if conditions change, drying times may accelerate or slow.
- Do not apply the product at a temperature below 5 °C
- For highly cracked surfaces, these must be previously treated with **Fester Superseal P** (see technical data sheet) and use **Fester Acriflex** reinforcement mesh over the entire surface, laying the mesh down with the first coat. In this scenario yield will be approximately (1.3 to 1.5 L/m² in two coats and drying time longer due to the thicker overall coat.
- On terraces and balconies, **Fester CL-52** is recommended only for areas measuring up to 25 m² and always in conjunction with the **Fester Acriflex** mesh over the entire surface. Always observe the instruction and yield estimates provided above in order to ensure the system has optimal strength and to prevent cracks in the cement substrate.
- Do not apply the product on surfaces that are wet, in this case dry with rags, let air for 1 hour and proceed with the application.
- Do not apply this waterproofing system over poor quality, poorly bonded surface releveling or cement that lacks proper hardness.
- Do not apply this waterproofing system to "hanging" ceilings or other features that favor water build-up.
- It is highly recommended that before installing finishes, perform a flood test. After **Fester CL-52** dried for at least 12 hours, flood the Surface and allow water to stand for at least 24 hours to verify that it is watertight.
- This waterproofing system is always used in conjunction with ceramic tiles, stone facings or similar finishes.
- Precaution should be taken not to damage the waterproofing system during installation of finishes.
- Do not apply **Fester CL-52** on concrete surfaces or sheet metal roofs exposed to weather.

PRECAUTIONS

- Do not expose first coat of waterproofing to running water for at least one hour, and the second coat for two hours.

Although the product does not contain hazardous substances, adequate ventilation is recommended.

Always wear proper work gloves, safety glasses and other personal protection gear. For more information, see the safety sheet.

Do not leave this product within reach of children.



CONTAINER AND PACKAGING

CONTAINER	19 L BUCKET in blue 4 L BUCKET in blue
STORAGE	Store in a cool, dry place and out of direct sunlight at temperature between 15 °C and 30 °C
SHELF LIFE	24 months
STACKING	4L bucket: 5 units 19L bucket: 3 units

ECOLOGICAL PROPERTIES

Fester CL-52 drives demand for regionally produced construction products and materials, thereby reducing environmental impact of transport.

With VOC of 0.00 g/L, **Fester CL-52** contributes to improve the quality of the environment by reducing foul, irritating fumes that can be harmful to the well-being of workers and building occupants.

Place of production: Carretera Panamericana Km. 312 Tramo Libre. Celaya-Salamanca, Guanajuato CP. 36700.

PHYSICAL PROPERTIES

TEST	METHOD	SPECIFICATION
Appearance	E - 284	Creamy blue product
Density, [g /cm ³]	D - 1475	1.42 a 1.5
pH	E - 70	9.8 a 10.8
Percent solids by weight	D - 2369 mod.	69 a 71
Brookfield Viscosity [Cps.]	D - 2196	40,000 a 46,000
Dry to touch, (20 mils wet) [minutes]	D - 1640	35 a 40
Totally dry (20 mils wet), [hours]	D - 1640	2.5 maximum
Water absorption, [%]	D - 471	< 18
Elongation @14 days,[%]	D - 2370	>280
Strength @ 14 days, psi]	D - 2370	> 300
Permeability [perms]	DIN EN 14891	Complies
Ability to bridge fissures [mm]	DIN EN 14891	> 0.75
Adhesion on dry surface	DIN EN 14891	≥ 0.5 N/mm ²
Adhesion on wet surface	DIN EN 14891	≥ 0.5 N/mm ²
Drying time of 1st coat for application of 2nd coat [min.]	D - 1640	50 a 70
Drying time in the 2nd coat for installation of finish or facing [hr.]	D - 1640	Minimum 4
Stability 24 months	D - 1849	Complies



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The information provided herein, specifically the recommendations for the handling and use of our products, is based on our professional knowledge and experience. Since materials and conditions may vary with each use and are factors lying beyond our control, Fester recommends you conduct sufficient testing to verify the suitability of our products for the intended purpose, methodology, and use. The contents of this technical data sheet or any spoken advice and orientation provided shall not be grounds for legal liability unless there is evidence of willful misconduct or gross negligence on our part. This technical information sheet replaces all previous editions relevant to this product and is supplemented by the information contained in the relevant safety sheet. Fester strongly recommends the users of its products consult all relevant technical information prior to using this product.