



FESTER MICROFEST

Multiple-use, water-based, emulsified, asphalt waterproofing system.

Complies with Standard ASTM D-1227-95 CLASS LL for emulsified, asphalt waterproofing systems

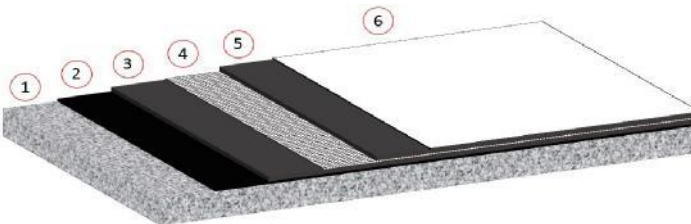
USES

As waterproofing system on reinforced-concrete slabs with its own slope.

ADVANTAGES

- For temperate and warm weather.
- Due to easy application and good durability, Fester Microfest is ideal to waterproof roofs and rooftops.
- Excellent adhesion on both dry and wet surfaces, so it can be applied in any season of the year.
- Does not need to be warmed before application.
- It is not toxic, unless ingested.
- Non-flammable.

APPLICATION INSTRUCTIONS



NUMBER	SYSTEM COMPONENT	YIELD
1	Surface	-----
2	Fester Microprimer	4 m ² / L in dilution
3	Fester Microfest 1st coating layer	1 L / m ²
4	Festerflex	1 linear m / m ²
5	Fester Microfest 2nd coating layer	1 L / m ²
6	Festerblanc white, red or court green color	3 m ² / L in two layers

1. Surface preparation

Remove loose, sharp or edged parts by grubbing the surface with a flat shovel.

Check the previous systems state; if they are well adhered, non-weathered, and in good condition, apply the waterproof system with Fester Microfest, If not, they must be removed. Clean any dust, oil and loose particles

2. Priming.

Add 1 volume of Fester Microprimer to 4 volumes of clean water and mix thoroughly.

Apply a uniform coating layer on the surface at a yield of 4 m²/L of the dilution. Let it dry for 6 hours in sunny days and from one day to the other in cloudy days. See the Material Technical Data Sheet of Fester Microprimer.

3. Fissure restoring.

Once Fester Hidroprimer is dry, in case of any fissures, caulk (backfilling) them with Fester Plastic Cement (see the Material Technical Data Sheet).

4. Critical point reinforcement.

When Fester Microprimer is dry, on each critical point apply two Festerflex supporting membranes attached to each other and to the surface with Fester Microfest.

5. Fester Microfest Application

With brushes, apply by sections a uniform coat of Fester Microfest on the area to be waterproofed with a yield of 1 L/m²





simultaneously and when the coat is fresh, lay down the Festerflex supporting membrane, ensuring there are not bulges and folds. The overlaps between lateral sheets and at the end of each roll must be 10 cm minimum. Let it dry 24 hours and apply the second coat of Fester Microfest with the same performance as the first coating layer. Let it dry 7 days.

6. Protective finishing coating layer

Protect the Waterproof System from the effect of sunlight and weathering, applying on the completely dry Fester Microfest a coating layer of Festalum at a yield of 6 to 8 m²/L. When waterproofing system is finished, total thickness must be at least 1.3 mm. Festerblanc can be applied as optional finishing coating (see the Technical Data Sheet).

Reinforced system

Durability of Fester Microfest waterproofing system may be easily and notably improved by a reinforcement. This is, laying down an additional membrane of Festerflex on the second fresh coating layer of Fester Microfest. Let it dry 24 hour, and finally apply a third coating layer of Fester Microfest with a yield of 1L/m². Waterproofing system will be formed by 2 supporting membranes and three coating layers of Fester Microfest. In this case, priming and finish instructions are the same as those provided in points 2 and 6.

YIELD

Fester Microfest has 2 L/m² yield, applied in two coating layers.

IMPORTANT INFORMATION

BASIC RULES FOR WATERPROOFING SYSTEM EFFICACY

- Read instructions carefully.
- Prepare the surface correctly.
- Reinforce the Critical Points.
- Observe drying time according to the weather.
- Perform preventive maintenance.
- Respect specified performance per square meter. Avoid savings by reducing thickness in asphalt waterproof coats.
- Do not apply at temperatures under 5° C.
- Do not apply if there is probability of rain, to avoid runoff.
- Do not apply for under brickwork solutions.
- Do not apply on wet or soaking surfaces.

PRECAUTIONS

- Use recommended personal protective equipment (see the Safety Data Sheet).
- This product has chemical substances and solvents that may cause health issues, as intoxication if inhaled, or skin injuries like dryness, allergies, irritations; thus, it must be handled with caution. We recommended the use of safety equipment, as rubber gloves resistant to solvents, safety glasses, face mask for organic vapors, etc.
- Avoid skin or eye contact.

CONTAINER AND PACKAGING

PRESENTATION	4 L Can 19 L Bucket 200 L Barrel
STORAGE	In a cool and dry place, protected from sunlight.
EXPIRATION	18 months as of its manufacture
MAXIMUM STOWAGE	Can: 8 pieces one on top of the other Bucket: 5 pieces one on top of the other Barrel: 3 pieces one on top of the other

ECOLOGICAL FEATURES

Fester Microfest contributes to increase demand of material and construction products extracted or manufactured in the region, thus reducing transport environmental impact. Fester Microfest also improves environmental quality, reducing stinky, irritating or harmful pollutants that affect workers or residents well-being, as its VOC content is 2 g/L.

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



PHYSICAL AND CHEMICAL PROPERTIES

PROPERTY	REFERENCE	SPECIFICATIONS
Color	-----	Dark brown
Odor	-----	Light, characteristic
Toxicity	-----	Only if ingested
Density at 25°C [g/cm³]	ASTM D-1475-90	0.99 -1.04
Non-volatile material [%]	ASTM D-2369-94mod	51 minimum
Penetration at 25°C 1/10 mm [mm]	ASTM D-217-94	Non-flammable.
Runoff at 100°C. It does not runoff or deform.	ASTM D-2939-94	Complies
Tact Free Time (40 thousandth of inch "in wet") [min]	ASTM D-1640-95	315 - 325
*Total drying (40 thousandth of inch "in wet") [hours]	ASTM D-1640-95	20 minimum
Flammability	ASTM D-93	3 maximum
Flexibility at (0 °C, 2-inch diameter. It does not crack or peel off for 1 hour	ASTM D-2939-94	Complies
Accelerated weathering at 400 hrs (It must not crack or break)	ASTM D-4799-93/A	Complies
Water resistant (It must not re-emulsify)	ASTM D- 2939-94	Complies

*Test conditions according to ASTM Method: T=25°C, RH=50%.

Note: Data included were obtained under **laboratory conditions**. **FESTER MICROFEST** satisfactorily complies specifications.



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