



FESTER PLASTIC CEMENT

Sealant and caulker for cracks and critical points in asphalt waterproof systems.

Complies Standard ASTM D-4586-93 TIPE II, for asbestos-free, asphalt cement.

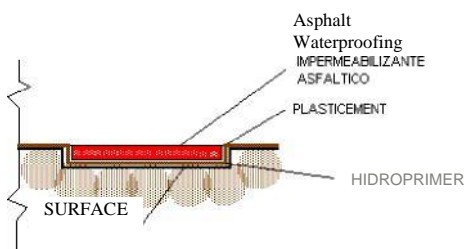
USES

- As sealant for joints, fissures, cracks, and grooves on concrete surfaces for critical points treatment. Is part of cold-applied, asphalt waterproof systems (water base or solvent base) and prefabricated waterproofing systems.
- As sealant, restorer and caulker for transversal/longitudinal overlaps on roofs of fiber cement, plastic and metallic sheets.
- Recommended to:
 - Caulk skylights.
 - Reinforce chamfers, cornices, gutters, etc.
 - For sealing overlaps and finishings used in waterproofing.

ADVANTAGES

- Economical and easy to apply, Fester Plastic Cement is a highly versatile product, with special formula to cover basic sealing and caulking requirements of any cold-applied waterproofing systems.
- Good durability and excellent adhesion on any prior primed surface.
- Once dry, it makes a waterproof seal.
- It resists any weather and environmental conditions.
- Plastic material with excellent workability
- Non-flammable when it has dried.

APPLICATION INSTRUCTIONS



1. Sealing or restoring of joints and fissures in porous surfaces

a) Surface preparation.

Remove loose parts, previous and damaged paints or coatings from the fissure or cavity to be sealed. Eliminate rusts, loose particles, oils and any substance that may affect a correct sealant adhesion.

Using a dry paintbrush or air jet, remove all remaining dust. To guarantee Sealant adhesion, contact areas formed by walls of the cavity must be minimum 5 mm of width or depth. Otherwise, if possible, cavity can be widened by longitudinally scrapping it with a screwdriver or similar tool, but never hit with a chisel to avoid any damages to the substrate.

b). Priming.

On dust-free prepared section, apply an even coating layer of undiluted Fester Hidroprimer at a yield of 4 -5 m²/ L. Let it dry for 4 hours.



c) Sealant Application

On dry Fester Hidroprimer, place Fester Plastic Cement; it can be applied using a wedge or trowel. Press the Sealant to ensure it is in contact with the walls of the fissure or cavity.

In every application stage, place a little more than the strictly necessary material to compensate the minimum contraction produced when definite drying.

Occasional spatters of primer or sealant around sealed areas can be removed using a sponge or wet cloth with conventional solvent (turpentine, thinner, gasoline). This method can also be used to clean application tools.

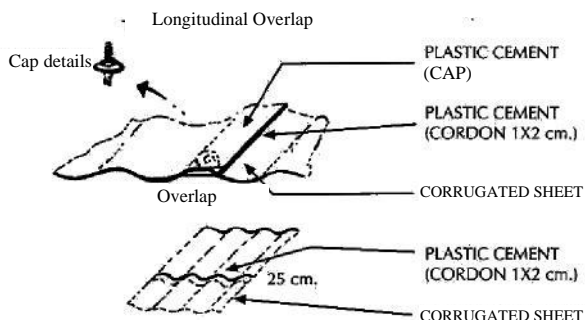
d) Finishing Coating

In case the seal is placed outdoors and will not be covered by a waterproof system, let it dry 7 days and then protect it with Festerblanc (3 m²/L, in two layers), observing drying time amid both coats. Optionally, Festalum may be used as protecting finish (see Technical Data Sheet).

2. Sealing of overlaps between metallic, plastic, fiber cement and other sheets.

a) Surface preparation.

For non-porous surfaces, like metallic or plastic sheets, follow same instructions for SEALING OR RESTORING OF JOINTS AND FISSURES IN POROUS SURFACES, but skip the priming step.



b) Previous works.

In already mounted sheets, carefully check conditions, overlaps and fastening elements (bolts, screws, hooks, etc.), and substitute everything that is in poor conditions.

Remove any previous sealant and coatings from the sections to be overlapped and areas where fastening elements are going to be anchored.

Clean rusts, loose particles, oils and any substance that may affect the correct sealant adhesion.

Using a dry paintbrush or air jet, thoroughly remove dust.

c) Overlap sealing.

Loosen fastening elements to apply the sealant between the two sheets to be overlapped.

Rise the upper sheet, lifting it by its edge, and introduce into the overlap the tip of the grouting gun with Fester Plastic Cement, making a sealant cord of 1 cm height and 2 cm width along the bottom sheet. The cordon must be placed in parallel to the edge of the upper sheet, at 2 to 7 cm from the edge towards the inside of the overlap, so it is completely covered when sheets are placed in the corresponding position.

d) Adjust of fastening elements and creation of sealing "seam".

Tight the bolts, screws or hooks that fix the sheets, so pressure exerted on the overlaps "spit out" Fester Plastic Cement along the edge of the upper sheet to form a sealing "seam" on the overlap edge.

e) Sealing of fastening elements.

Each bolt, screw or hook shall be covered with a cap made of Fester Plastic Cement to prevent water from entering into the fixing holes. Apply more Sealant than the necessary amount on these critical areas, taking care to completely cover any point that may cause filtration.

f) Finishing coating

Let sealing dry and then cover with Festerblanc or Festalum, as described above. See the Technical Data Sheets.

3. Sealing and caulking of critical points

Fester Plastic Cement indications use in critical points of waterproof systems can be found in the section "TREATMENT OF CRITICAL POINTS" of the corresponding Technical Data Sheet of each asphalt-based waterproofing system.

YIELD

Fester Plastic Cement: 1 L fills 80 cm³ when it has dried.

IMPORTANT INFORMATION

- Do not dilute it in any solvent.
- Fester Plastic Cement must not be applied when raining, on wet surfaces or with puddles. Let it dry to proceed with the system application.



- Avoid skin or eye contact.
- This product has chemical substances that may cause health issues, such as skin injuries, dryness, allergies, irritations. Thus, it must be handled with caution.

PRECAUTIONS

- Use personal protective equipment, as industrial rubber gloves resistant to solvents, safety glasses, face mask (see Safety Data Sheet).
- Toxic if ingested or inhaled for an extended period.
- Do not apply in closed areas.
- For storage and application, flames and ignition sources must be avoided.

CONTAINER AND PACKAGING

PRESENTATION	1 L Can 4 L Can 19 L Bucket 200 L Barrel
STORAGE	Within sealed container in a fresh, dry and sunlight-protected place, PLASTIC CEMENT maintains its properties for 1 year 6 months
EXPIRATION	1 year 6 months
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 Plastic Cement contributes to increase demand of construction material and products extracted or manufactured in the region, thus reducing transport environmental impact.

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



PHYSICAL PROPERTIES

TEST	STANDARD	SPECIFICATIONS
Consistency	---	Thick
Color	---	Black
Odor	---	Solvent
Toxicity	---	Toxic when ingested or inhaled for an extended period of time.
Density at 25°C [g/cm ³]	[D-1475-90]	1.02 - 1.05
Non-volatile material [%]	D-4586-93	74-80
Flexibility at 0°C 1-inch diameter It must not crack or peel off. 1 hour	D-4586-93	Complies
Leakage	D-2822	0.6 cm. maximum
Conical penetration at 25°C (1/10mm) [mm]	D-217-94	295 - 310
Flash point °C	D-92-90	35.0
Contact drying (40 thousandth of wet inch) [minutes]	D-2939-94	20 minimum
Total drying (40 thousandth of wet inch) [hours]	D-2939-94	6 maximum
Flammability	D-2939-94	Flammable
Accelerated weathering 700 hrs. without cracks	D-4799-93/A	Complies

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

Note: Data included were obtained under laboratory conditions. **Plastic Cement** satisfactorily complies specifications.

See data sheet of: Fester Hidroprimer, Festalum, Festerblanc



Henkel Capital S.A. de C.V.,

Boulevard Magnocentro No 8, Piso 2, Col. Centro Urbano Interlomas, Huixquilucan, Estado de Mexico, CP 52760

Customer Service: 01800-FESTER7 web.fester@henkel.com www.fester.com.mx

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