



## FESTERFLEX

Multi-directional-resistant, supporting membrane for cold-applied, asphalt waterproofing systems.

### USES

- As reinforcement for cold-applied, solvent-based or water-based, asphalt waterproofing systems.
- As reinforcement for critical points in cold-applied asphalt waterproofing systems.

### ADVANTAGES

- Festerflex reinforces asphalt waterproof systems by providing them resistance to moderate movements that could suffer a roof slab. Improves adhesion between asphalt coating layers, structuring waterproof systems and making them resistant to mechanical stress.
- High flexibility that allows adjusting to any type of surface.
- Withstands contraction-expansion stress which waterproof systems usually suffer.
- Resistant to typical exposure temperatures together with the waterproof system.
- Absorbs a maximum humidity of 1%, even immersed in water.

### APPLICATION INSTRUCTIONS

#### 1.Application of first waterproof coating layer and placement of the supporting membrane.

Apply the first coating layer of solvent-based or water-based, asphalt waterproofing system, with a yield of 1 L/m<sup>2</sup>. A prior preparation of the surface and application of Fester Microprimer must be done. See the corresponding Material Technical Data Sheets.

Simultaneously with application of first waterproof coating layer, and when it is completely fresh, start to lay down the supporting membrane, align and adjust until it is semi-embedded and well settled on the surface, avoiding bulges and folds.

Continue in segments until covering the surface and checking that longitudinal and transversal membrane overlaps are of 10 cm minimum.

We recommended to begin with the lowest part of the slope in order that overlaps favor water runoff. Let it dry 24 hours.



#### 2.Second waterproof coating layer.

Apply the second waterproof coating layer with corresponding asphalt waterproofing system with a yield of 1 L/m<sup>2</sup>. After completing the system, let it dry during 7 days before applying the reflective finishing coating as a system protection.

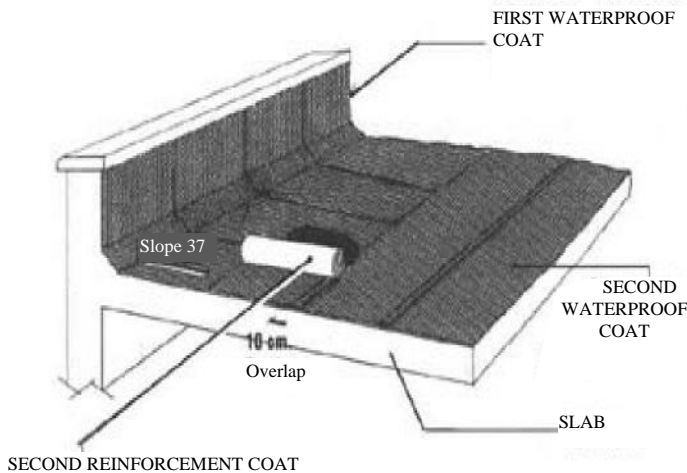
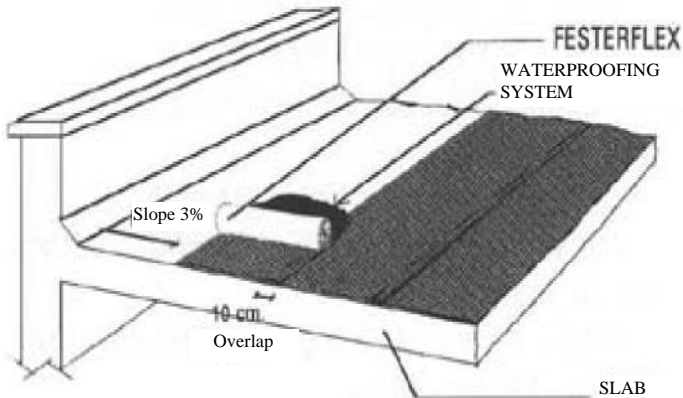
#### 3.Alternative with double membrane system.

Waterproof System lifespan may be significantly extended by reinforcing it with an additional of supporting membrane. For this, on the second waterproof coating layer entirely fresh, apply Festerflex sheet in segments to cover the whole area. As in the first membrane coat, press and adjust to avoid bulges and folds. Let it dry for 24 hours.

In this case, we strongly recommended the second membrane sheet are centered on the overlaps of the first membrane. It is also useful to cross the second membrane on the first one.



**4. Application of third waterproofing coating layer:** Start applying the third waterproof coating layer with equivalent



asphalt waterproofing system with a yield of 1 L/m<sup>2</sup>. Once the system is finished, let it dry during 7 days before applying the reflective finishing coating for protection. The reinforced system includes two sheets of supporting membrane and three waterproofing system coating layers.

### 5. Reflective finishing coating.

Apply white or terracotta Festerblanc to serve as a protective and reflective finishing coating or alternatively apply Festalum, check the corresponding technical data sheet.

### 6. Critical points reinforcement.

To use Festerflex in critical points, check the technical data sheet of the corresponding asphalt waterproofing system in respective section.

## YIELD

1 Roll with 100 linear meters and 1.10 m width performs for 100 m<sup>2</sup>

## IMPORTANT INFORMATION

### BASIC RULES FOR OF WATERPROOFING SYSTEM EFFICACY

- Read instructions carefully.
- Prepare the surface correctly.
- Reinforce the Critical Points.
- Observe drying time according to the weather.

## PRECAUTIONS

- Provide preventive maintenance.
- Observe specified performance per square meter. Avoid savings by reducing thickness in waterproof coats.
- Do not use on surfaces subject to continuous traffic.
- Its use on irregular or grooved surfaces that hamper a correct laying is not advisable.
- Use recommended personal protective equipment (check the Material Safety Data Sheets).
- Do not apply if there is likelihood of rain or at temperatures under 5°C.

## CONTAINER AND PACKAGING

PRESENTATION	Bag with 10 linear meters and 1.10 m width. Roll with 100 linear meters and 1.10 m width.
STORAGE	Indoors, in one single stowage, in vertical position.
EXPIRATION	24 months.
MAXIMUM STOWAGE	One single stowage in vertical position.

## ECOLOGICAL FEATURES

Festerflex contributes to increase demand of material and construction products extracted or manufactured in the region, thus reducing transport environmental impact. Festerflex also improves environmental quality, reducing stinky, irritating or harmful pollutants that affect workers or residents well-being because its VOC content is 0 g/L.



PHYSICAL AND CHEMICAL PROPERTIES		
PROPERTY	REFERENCE	SPECIFICATIONS
Consistency (Non-woven membrane)	-----	Complies.
Color (White)	-----	Complies
Weight per m <sup>2</sup> . g	ASTM D-146-90	39 min.
Roll weight, kg	ASTM D-146-90	4.43
Longitudinal Tensile Strength (Kg/5 cm), Kgf	ASTM D-146-90	8.5 minimum
Transversal Tensile Strength (Kg/5 cm), Kgf	ASTM D-146-90	4.0 minimum
Longitudinal elongation, %*	ASTM D-146-90	15 minimum
Transversal elongation, %*	ASTM D-146-90	20 minimum
Water absorption in immersion, %	-----	1% Maximum
Resistance to High Temperature, (Up to 230°C without affecting its properties)		Complies
Resistance to mildew and bacterium	-----	Complies
Flammability	-----	Flammable
Water resistance (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**. **FESTERFLEX** satisfactorily complies specifications.



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