



# FESTERSIP I 620 MC

Single-component, aromatic polyurethane waterproofing product.

Elastic, single-component product comprised of urethane resins, high solids content aromatics that cures with exposure to ambient humidity.

## USES

As part of FesterSIP systems, this product is ideal for waterproofing concrete surfaces requiring a system that can withstand vehicle and/or pedestrian traffic without compromising the performance of the waterproofing system in:

- Parking garages.
- Concrete slabs requiring a robust, highly durable waterproofing system.
- Parking garage ramps.
- Terraces and balconies.
- Sports courts.
- Machinery rooms.
- Pedestrian walkways.

## ADVANTAGES

- Easy to apply.
- Excellent waterproofing properties.
- High mechanical performance in term of flexibility, traction, elongation and tensile strength.
- Can be applied to horizontal and sloped surfaces.

## APPLICATION INSTRUCTIONS

### Surface prep

Provided treatment and repair of the surface, cracks, joints, fissures and critical leakage points has already been performed in accord with instructions provided in the FesterSIP P 612 technical sheet and primer has been applied, move on to the application of the waterproofing coat.

Application of the waterproofing coat with FesterSIP I 620 MC, requires primer to completely dry to the point it can be walked on without damage, but only up to 24 hours after application of the primer.

When the primer coat is allowed to dry for more than 24 hours, the surface must be prepared again and an additional coat of FesterSIP P 612 has to be applied to prevent product from peeling.



If for any reason dust settles onto the drying primer coat, the surface should be cleaned with a wet cloth and rinsed with abundant water. Allow the moisture to dry from the surface completely before proceeding

### Application as waterproofing coat

Mix FesterSIP I 620 MC for 1 or 2 minutes to ensure the product is completely homogeneous. With the aid of a drill and paddle attachment, mix at controlled speed to prevent excessive aeration.

The application of FesterSIP I 620 MC is performed by pouring the product across the width of the surface of the slab and distributing with a rubber squeegee; then evening out the thickness of the coat with a medium plush roller. It is best to proceed in accord with pre-defined sections to control yield and thickness as required by the system.

Edges and areas difficult to reach can be coated with a brush, always taking pains to ensure proper thickness of coat. When walking on an area that is still freshly treated, use spiked shoes, as this this will facilitate application and reduce the risk of slips and falls.



FesterSIP I 620 MC should be allowed to dry as long as necessary until it is no longer sticky before applying the next coat, which must be applied within 24 hours after the product dries to ensure adherence of subsequent coatings. Drying time can vary significantly depending on ambient humidity and temperature, as well as surface temperature.

**YIELDS**

Waterproofing system for vehicle traffic		
Coat	Product	Yields
1. Primer	FesterSIP P 612	7.0 m <sup>2</sup> /L
<b>2. Waterproofing</b>	<b>FesterSIP I 620 MC</b>	<b>1.5 m<sup>2</sup>/L</b>
3. For sand finish	FesterSIP A 650 MC	3.7 m <sup>2</sup> /L
4. Sand spread	FesterSIP M 640 SS	0.7 kg/m <sup>2</sup>
5. Protective topcoat	FesterSIP A 650 MC	2.5 m <sup>2</sup> /L

Note: For waterproofing systems designed to withstand vehicle traffic, we recommend applying additional reinforcement in heavy traffic areas, such as ramps, curves and turn around lanes. This reinforcement is applied between coats 4 and 5 as shown below. The topcoat is applied as cited in point 5 of the system.

Reinforcement of waterproofing system for vehicle traffic		
Coat	Product	Yields
4.1 For sand finish	FesterSIP A 650 MC	3.7 m <sup>2</sup> /L
4.2 Sand spread	FesterSIP M 640 SS	0.7 kg/m <sup>2</sup>

Waterproofing system for pedestrian traffic		
Coat	Product	Yields
1. Primer	FesterSIP P 612	7.0 m <sup>2</sup> /L
<b>2. Waterproofing</b>	<b>FesterSIP I 620 MC</b>	<b>1.6 m<sup>2</sup>/L</b>
3. For sand finish	FesterSIP A 650 MC	5.0 m <sup>2</sup> /L
4. Sand spread	FesterSIP M 640 SS	0.7 kg/m <sup>2</sup>
5. Protective topcoat	FesterSIP A 650 MC	3.7 m <sup>2</sup> /L

Waterproofing system for gravel finish		
Coat	Product	Yields
1. Primer	FesterSIP P 612	7.0 m <sup>2</sup> /L
<b>2. Waterproofing</b>	<b>FesterSIP I 620 MC</b>	<b>2.0 m<sup>2</sup>/L</b>
3. For sand finish	FesterSIP A 650 MC	2.0 m <sup>2</sup> /L
4. Sand spread	FesterSIP M 640 SS	0.7 kg/m <sup>2</sup>

High-performance waterproofing system		
Coat	Product	Yields
1. Primer	FesterSIP P 612	7.0 m <sup>2</sup> /L
<b>2. Waterproofing</b>	<b>FesterSIP I 620 MC</b>	<b>2.0 m<sup>2</sup>/L</b>
3. Protective topcoat	FesterSIP A 650 MC	2.5 m <sup>2</sup> /L

Note: The yields cited are recommended yields and may vary depending on application conditions and techniques. For very specific uses, such as systems subject to heavy vehicle traffic, yields should be revised in accord with conditions and needs.

**IMPORTANT INFORMATION**

After opening container, the product should be used entirely, in the understanding that any left over product can be gradually vulcanized. During the application, avoid leaving accumulations or puddles of the product. Never apply when rain threatens in the following 24 hours. Drying time may be retarded depending on ambient conditions. FesterSIP systems are not recommended for conditions of constant immersion. Not recommended for application on asphalt coatings. Not recommended for use on damp or wet surfaces. Surface must be completely dry and first treated with primer. Always prep surface properly. Outdoors areas coated with this product should not be left exposed to the weather for more than 3 days. These areas must be coated with the FesterSIP A 650 MC single-component finish.



## PRECAUTIONS

Always use personal protective equipment, industrial rubber gloves, safety goggles and organic fumes mask.  
 The product contains solvents. Do not expose the units standing by to be applied to direct sunlight.  
 Do not apply this product near an open flame or any other source of ignition.  
 Do not apply in enclosed or poorly ventilated places.  
 Avoid contact with skin and eyes.  
 In case of contact with skin or ingestion, seek medical attention immediately.  
 Do not leave within the reach of children.  
 To prevent slips and falls, cordon off the areas where this product is applied.  
 For more information, consult product safety sheet.

## CONTAINER AND PACKAGING

CONTAINER	19.0 L BUCKET in color gray
STORAGE	Store in a sealed container in a cool , dry place out of direct sunlight and at a temperature between 15 °C and 23 °C
SHELF LIFE	12 months
STACKING	3 units

## ECOLOGICAL PROPERTIES

VOC of FesterSIP I 620 MC 190 g/L

## PHYSICAL PROPERTIES

TEST	METHOD ASTM	SPECIFICATION	TYPICAL VALUE
Brookfield viscosity ( cPs) at 25 °C, stick 2 at 10 RPM	D - 2196	1100 - 2800	2300
% Solid contents by weight	D - 2369	Minimum 84	86.2
Density (g/ml) a 25 °C	D - 1475	1.260—1.312	1.300
Drying time, hours	D - 1640	20 to30	24
Elongation, %	D - 417 y D - 2370	Minimum 400	500
Stress (lb / inch <sup>2</sup> )	D - 417 y D - 2370	Minimum 600	800
Shore A Hardness	D-2240	70 - 75	73
Taber Abrasion CS17/1000 cycle, 1000 g (loss in mg)	D-4060	30 - 35	32
Water vapor transmission, (perms)	E-96	Maximum 2.6	1
% Water absorption by weight	D-471	< 3	2.34
Adhesion, (Psi)	D-4541	Maximum 300	500

Note: Data cited herein were obtained under laboratory conditions.

Consult product technical sheets: FesterSIP I 612, FesterSIP A 650 MC and FesterSIP M 640 .



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