FESTERSIP I 620 FT

Fast-curing, dual-component-polyurethane waterproofing.

Solvent-free, dual-component, fast curing sealant, comprised of aliphatic polyurethane resins.

USES

- Forms the waterproof coating in FesterSIP waterproofing systems.
- For applications on concrete slab roofs, where a high-performance, highly resistant waterproofing system is required to withstand vehicular traffic and heavy pedestrian traffic.
- Forms a high-performance and durable waterproofing system for roofs and demanding industrial environments.

In general 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.

Product is ideally suited for:

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

ADVANTAGES

- Solvent-free product, does not require restricting access around worksite.
- It serves as a maintenance option for worn or older waterproofing systems.
- Easy to apply.
- Fast drying.
- Excellent waterproofing properties.
- High mechanical performance in termoflexibility, traction, elongation and tensile strength.
- Can be applied to horizontal and sloped surfaces.

APPLICATION INSTRUCTIONS

Surface prep

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

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

Note: Applying FesterSIP I 620 FT over a primer coat that is not completely dry or after 24 hours of drying can cause the coating to peel off.

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

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

Mixing
Open the container for part “A” and mix it until homogenous. Add part "B" to the part “A” container and mix at a controlled speed to prevent excessive aeration. Once both parts are mixed, apply immediately in the knowledge that the chemical curing process is already under way.

Application as waterproofing coat
The application of FesterSIP I 620 FT is performed by pouring the product across the surface of the slab and distributing it with a rubber squeegee. Then, even out 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 still freshly treated, use spiked shoes, as this will facilitate application and reduce the risk of slips and falls.

Drying of FesterSIP I 620 FT takes from 3 to 5 hours. Drying time can vary significantly, depending on ambient humidity and temperature, as well as surface temperature.

YIELD

Waterproofing system for vehicle traffic		
Coat	**Product**	**Yields**
1. Primer	FesterSIP P 612	7.0 m²/L
2. Waterproofing	**FesterSIP I 620 FT**	**2.0 m²/L**
3. For sand finish	FesterSIP A 650 FT	5.0 m²/L
4. Sand spread	FesterSIP M 640 SS	0.7 kg/m²
5. Protective topcoat	FesterSIP A 650 FT	3.3 m²/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.

Waterproofing system for vehicle traffic		
Coat	**Product**	**Yield**
4.1 For sand finish	FesterSIP A 650 FT	5.0 m²/L
4.2 For sand finish	FesterSIP M 640 SS	0.7 kg/m²

Waterproofing system for pedestrian traffic		
Coat	**Product**	**Yield**
1. Primer	FesterSIP P 612	7.0 m²/L
2. Waterproofing	**FesterSIP I 620 FT**	**2.2 m²/L**
3. For sand finish	FesterSIP A 650 FT	5.0 m²/L
4. For sand finish	FesterSIP M 640 SS	0.7 kg/m²
5. Protective topcoat	FesterSIP A 650 FT	4.3 m²/L

Waterproofing system for gravel finish		
Coat	**Product**	**Yield**
1. Primer	FesterSIP P 612	7.0 m²/L
2. Waterproofing	**FesterSIP I 620 FT**	**1.5 m²/L**
3. For sand finish	FesterSIP A 650 FT	4.0 m²/L
4. Sand spread	FesterSIP M 640 SS	0.7 kg/m²

High-performance waterproofing system		
Coat	**Product**	**Yield**
1. Primer	FesterSIP P 612	7.0 m²/L
2. Waterproofing	**FesterSIP I 620 FT**	**2.5 m²/L**
3. Protective topcoat	FesterSIP A 650 FT	2.9 m²/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

During application, avoid leaving accumulations or puddles of the product.
Do not apply when rain threatens in the following 7 hours.

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.
The surface must be completely dry and first treated with primer.
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 FT dual-component finish.
Try always to mix entire units while considering the curing and application time. However, when smaller quantities are needed, mix components by volume as follows: 9.0 Part "A" to 1.0 part "B".
Do not expose container to direct sunlight during mixing or application as this accelerates the curing reaction and can lead to serious complications even loss of product.

PRECAUTIONS

Always use personal protective equipment, industrial rubber gloves, safety goggles and organic fumes mask.
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 reach of children.
To prevent slips and falls, avoid walking in areas where this product is still fresh.
For more information, consult product safety sheet.

CONTAINER AND PACKAGING

CONTAINER	Unit with 18.9 L, in gray color Part “A”: 17 L BUCKET Part “B”: 1.9 L CAN
STORAGE	Store in a sealed container in a cool, dry place out of direct sunlight and at a temperature between
SHELF LIFE	2 years for both component A and component B
STACKING	3 units

ECOLOGICAL PROPERTIES

VOC of FesterSIP I 620 FT is < 5 g/L

PHYSICAL PROPERTIES

TEST	METHOD ASTM	SPECIFICATION	TYPICAL VALUE
Brookfield (viscosity cPs) at 25 °C stick 2 A 10 RPM	D - 2196	1500 a 2500	1850
Solid contents by weight, %	D - 2369	Minimum 98	98
Density (g/ml) a 25 °C	D - 1475	1.13 a 1.19	1.16
Pot Life 300 grams of mixture at 25°C, minutes	D - 2471	35 a 40	40
Drying time, minutes	D - 1640	Maximum 60	48
Elongation %	D - 417 y D - 2370	Minimum 500	1400

PHYSICAL PROPERTIES

TEST	METHOD ASTM	SPECIFICATION	TYPICAL VALUE
Stress (psi)	D - 417 y D - 2370	Minimum 1500	1900
Shore A hardness	D2240	Maximum 85	83
Water vapor transmission, perms	E96	Maximum 5	0.8
Breaking strength, Psi	D1004	1000 a 1400	1200

Note: Data cited herein were obtained under laboratory conditions.

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

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