



FESTERSIP A 650 FT

Quick curing, dual-component aliphatic polyurethane coating.

Dual-component, fast curing coating, comprised of aliphatic polyurethane resins and solids.

USES

- As topcoat or final finish with FesterSIP polyurethane waterproofing systems to protect the system from weathering and abrasion caused by vehicular or pedestrian traffic.
- For applications where quick curing is necessary.
- For installations where conditions require a low-solvent coating be applied.

Product is ideally suited for:

- Waterproofing systems in parking garages.
- Concrete slabs requiring a robust, highly durable waterproofing system.
- Parking garage ramps.
- Terraces and balconies.
- Sports courts.
- Pedestrian crossings.
- Maintenance of older polyurethane systems.

In general this product is ideal for use on waterproofed concrete surfaces requiring a protective topcoat that can withstand vehicle and/or pedestrian traffic without compromising the performance of the waterproofing system.

ADVANTAGES

- High solids content, low solvent content, and low VOC.
- Dual component product cures fast, regardless of ambient humidity.
- Excellent weather resistance.
- High abrasion resistance.
- Recommended for the most demanding industrial applications and work environments.
- Easy and quick to apply.
- Optimal coverage yield.
- It can be applied to horizontal and sloping surfaces without product dripping or running
- Withstands puddling and contact with grease, oil and other chemicals.



APPLICATION INSTRUCTIONS

Surface prep

The waterproof coating of FesterSIP I 620 FT over which this product shall be applied should be perfectly clean. If necessary, clean surface with moistened rags water and allow surface dry completely.

When more than 24 hours have elapsed since the application of the waterproofing coat, a coat of FesterSIP P 612, as an adhesion bridge, must be applied. See product technical sheets.

Mixing

Mix part “A” in its container prior to adding part “B”. Add part “B” gradually and mix for 3 to 4 minutes with the aid of a drill and paddle attachment, scraping walls and bottom of container with a wooden stirring stick to ensure all the material is fully incorporated.

Mixed product should be applied immediately until the product is exhausted, in the knowledge that chemical curing has already begun.



Application of intermediate coat for adhering sand

Proceed with application immediately in the understanding that you have approximately 25 to 30 minutes to lay down the product.

For faster work and to prevent waste, distribute product among several applicators to pour product onto multiple surface sections, extending with a rubber squeegee and evening thickness with a medium plush roller, while observing yield and avoiding any pooling of the product.

While the product is fresh, proceed to spread sand evenly, either manually or using a spreader in accord with yield indications.

Application as a topcoat

For FesterSIP systems where FesterSIP M 640 SS sand is considered, sweep the surface briskly to remove unadhered sand. If the sand is wet either from rain, dew or any other cause, it must be allowed to dry completely before proceeding to apply the finish. This will ensure optimal adhesion of the coating.

For waterproofing systems where sand finish is not considered, make sure the surface of the waterproofing coat is clean, removing any dust with moistened clean rags and rinsing. Allow the surface to dry completely prior to application of the coating.

When FesterSIP A 650 FT is to be applied directly to FesterSIP I 620 FT (without sand finish), and the latter has dried for more than 24 hours, apply a coat of FesterSIP P 612 primer to provide an adhesion bridge. See product technical sheet.

Product is applied with a rubber squeegee and/or roller. When using a felt roller, prepare the felt so that it does not release lint and mar the finish. It is crucial to apply the product uniformly in accord with indicated yield to prevent any over-accumulation in any area.

Final finishing involves passing the roller over the surface in a single direction from splice to splice to prevent any textural contrasts.

As maintenance topcoat

For maintenance of existing, older systems, the surface must first be scrubbed with water and detergent and, as required, degreased. Rinse and allow it to dry completely prior to applying the product. Any loose, flaking material must be removed and damaged waterproofing system in such sections must be restored. Joints should also be inspected and any deteriorated sealant should be replaced. Critical leakage points and other reinforced sections should be inspected and repaired as required.

After repairs are made and the surface thoroughly cleaned, apply a coat of FesterSIP P 612 primer in accord with indicated yields. See product technical sheet.

Application of FesterSIP A 650 FT is done according to application indications for using product as a topcoat.

Before product starts to harden, clean tools with commercial grade thinner or water and detergent. Otherwise clean them by mechanical means.

The initial drying time of coating is approximately 3 to 4 hours.

Note: Drying time may vary significantly depending on ambient conditions. For vehicular traffic, allow coating to dry for 3 days in sunny weather and 4 to 5 days under cloudy conditions or in cold weather.

YIELD

Waterproofing system for vehicle traffic

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

Note: For waterproofing systems designed to withstand vehicle traffic, we recommend applying an 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 FT	5.0 m²/L
4.2 Sand spread	FesterSIP M 640 SS	0.7 kg/m ²



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

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

High-performance waterproofing system		
Coat	Product	Yield
1. Primer	FesterSIP P 612	7.0 m ² /L
2. Waterproofing	FesterSIP I 620 FT	2.5 m ² /L
3. 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 specific conditions and needs.

IMPORTANT INFORMATION

When mixing smaller quantities, do not alter the proportions of components. Observe volume ratio of 2.0 parts "A" to 1.0 parts "B".

During application, avoid leaving accumulations or puddles of the product.

Do not apply when rain threatens, as this can affect curing drying time.

Once components are mixed, the product must be applied in its entirety.

Not recommended for conditions of constant immersion.

Not recommended for application on asphalt coatings.

Not recommended for use on damp or wet surfaces.

PRECAUCIONES

Always use personal protective equipment, i.e., industrial rubber gloves, safety goggles and organic fumes mask.

The product contains solvents. Do not expose containers to direct sunlight during application work.

Do not apply in enclosed or poorly ventilated spaces.

Do not apply this product near flame or any other ignition source.

To prevent slips or falls, do not walk on freshly installed product until it dries completely.

Avoid contact with skin and eyes.

Do not leave within reach of children.

In case of contact or ingestion, seek medical attention immediately.

For more information, see product safety sheet.

CONTAINER AND PACKAGING

CONTAINER	Unit with 11.3 L in gray color Part A: BUCKET with 7.56 L Part B: CAN with 3.78 L
STORAGE	Store sealed container in a cool, dry place out of direct sunlight at a temperature between 15 °C and 30 °C
SHELF LIFE	Two year for both components A and B
STACKING	3 BUCKETS

ECOLOGICAL PROPERTIES

VOC content of FesterSIP A 650 FT is < 99.5 g/L

**PHYSICAL PROPERTIES**

TEST	METHOD ASTM	SPECIFICATION	TYPICAL VALUES
Viscosity (cPs) mixture	ASTM D2196	1000 - 3000	2675
Density, lb/gal	ASTM D1475	1.27 - 1.40	1.34
Solid contents by weight %	D - 1644	Minimum 91	92.36
Solid contents by volume, %	D - 2697	Minimum 85	89
Pot Life, mixture @ 25°C, minutes	D - 2471	40 a 50	45
Dry to touch, minutes	D - 1640	40 a 55	48
Adhesion to FesterSIP I 620 FT, psi	ASTM D4541	>400	690
Tractive resistance, psi	ASTM D412	Minimum 2000	2760
Elongation, %	ASTM D 412	105 a 125	112
Permanent deformation, %	ASTM D 412	<10	5
Breaking strength, %	ASTM D1004	2250 a 2750	2520
Water resistance, %	ASTM D 471	<2	0.95
Water vapor transmission of 20- mil film, perm	ASTM E96	1	0.36
Taber abrasion CS-17 1000 Cycles, 1000 g (loss in mg)	ASTM D 4060	Maximum 95	37
Shore A hardness, units	ASTM D 2240	80 - 90	88

Note: Data cited herein were obtained under laboratory conditions.



Henkel Capital S.A. de C.V.,
Boulevard Magnocentro No 8, Piso 2, Col. Centro Urbano Interlomas, Huixquilucan, Estado de México, CP 52760
Customer service: 01800-FESTER7 web.fester@henkel.com www.fester.com.mx

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