FESTERSIP P 612

Dual-component, high solids content, urethane primer for polyurethane waterproofing systems.

Dual-component, low odor, high solids content urethane primer for mixing on site.

USES

Promotes adhesion of FesterSIP system.
a) On concrete surfaces.
b) For maintenance of existing polyurethane systems.
Recommended for both monocomponent and bicomponent FesterSIP polyurethane systems.

ADVANTAGES

- Easy application.
- High penetration into concrete.
- High yield.
- Fast curing.
- Significantly improves adhesion to concrete and existing systems.

APPLICATION INSTRUCTIONS

Surface prep

For roadway systems, the concrete must be completely cured (28 days) and free of moisture, with a minimum strength of 250 kg/cm^2.
Surfaces must be free of loose, flaking materials, previous coatings, and contaminants (oil, grease, unmolding agents, etc.), dust or curing membranes.
As required, open the surface pores and eliminate laitance by mechanical means such as scarification, chipping hammer, or sand blasting. Opening the surface pores ensures adhesion and is always required for roadway surfaces. Verify slopes provide proper drainage and correct as required.
Make sure the surface is completely dry. If in doubt, tape down 40x40 cm polyethylene sheets over selected surface areas, placing one for every 100 m^2 of surface to be treated. Leave these sheets in place 8 to 24 hours. At the end this period, there should be no condensation on the inside of the polyethylene sheet. If this occurs, allow concrete to dry out completely before applying FesterSIP P 612.

For priming with FesterSIP P 612 to establish an adhesion bridge on existing systems, the surface should be scrubbed thoroughly with water and detergent and, as required, with degreasers to remove grease and oil. Remove loose, flaking material, repair any damaged areas, and restore the waterproofing system completely in such areas. Moreover, inspect condition of joints and renew the elastic polyurethane sealant as required.
Also inspect critical leakage points and other reinforcements and restore as required.
After the application of the primer, follow the recommendations in the respective technical sheets for the application of FesterSIP A 650 MC or FesterSIP A 650 FT.

Treatment of critical leakage points

Cut cracks and joints opening to a depth of 3 mm using a cutting disc and seal these with Fester Superseal P. Control joints must be cut to a depth in accord with the thickness of the concrete (minimum depth of 1/3 of the total slab thickness without cutting into rebar). Remove the dust from joint groove and seal it with Fester Superseal P. For joints subject to substantial movement, such as cold joints, guard rail unions, ramp unions, critical leakage points, downspouts, angle joints, chamfers, pipeline bases, antennas, and other features, we recommend sealing these with Fester Superseal P before applying FesterSIP I 620 MC waterproofing (a monocomponent

product) or FesterSIP I 620 FT (a bicomponent product), as warranted, as well as reinforcement with Fester Revoflex membranes, which should be plain without wrinkles or air pockets when applying the waterproofing system to these areas.

Mixing:
Open the container of part "A" and mix contents until homogenous; then add part "B" to the same container. Stir this mixture for 3 to 4 minutes until uniform. The mixed product has a pot life of 25 minutes at 23°C. The mixed product should be applied immediately.

Application
Apply FesterSIP P 612 primer on the prepped surface using a medium plush roller, distributing an even coat to control yield.

Note: Do not pour product onto floor. It is best to use a tray. Allow the applied primer to dry until it can be walked on without tackiness. For optimal adhesion of the waterproofing system to the primer coat, apply the waterproofing system within 24 hours of laying down the primer coat. When primer coat dries for more than 24 hours, the surface must be prepped anew and another coat of primer applied.

YIELD

From 6.0 to 7.0 m²/L

TABLE OF APPROXIMATE YIELDS Without shrinkage at yield of 7.0 m²/L	
Area to cover (m²)	**No. of 133.3 liter units**
79.0	1
158.0	2
395.5	5
791.0	10

Note: Yield may vary significantly depending on surface conditions and application techniques.

IMPORTANT INFORMATION

Do not alter the proportion of parts "A" to "B", when preparing smaller quantities. This proportion is as follows: 2.0 parts "A" to 1.0 parts "B" by volume.
Do not apply the primer coat to wet or damp surfaces.
Do not apply product to poor quality concrete surfaces, lacking cohesiveness or surface hardness.

PRECAUTIONS

Do not expose components to direct sunlight while they are standing by to be mixed.
Application on asphalt surfaces is not recommended.
For more information on the components of different systems, see technical sheets for FesterSIP I 620 MC or FesterSIP I 620 FT.
Substrate temperature should be between 4 °C and 32 °C.
Always use personal safety equipment.
Avoid contact with skin and eyes.
Do not leave within reach of children.
For more information, see product safety sheet.

CONTAINER AND PACKAGING

CONTAINER	11.3 L UNIT Part A : 7.56 L Part B: 3.78 L
STORAGE	Store container tightly sealed in a cool, dry place at a temperature not below 10 °C .
SHELF LIFE	3 years for both component A and B
STACKING	4 units 5 beds

ECOLOGICAL PROPERTIES

With VOC = 0.01 g/L, FesterSIP P 612 contributes to improve the quality of the environment by reducing foul, irritating fumes that can be harmful to the well-being of workers and building occupants.

PHYSICAL PROPERTIES

PROPERTIES	METHOD ASTM	SPECIFICATION	TYPICAL VALUE
Brookfield Viscosity (cPs) @ 25°C, stick 2 and 10 rpm (Mixture)	D - 2196	100 - 180	150
Solids contents % by weight (Mixture)	D - 2369	Minimum 90	92
Density g /cc a 25°C (Mixture)	D - 1475	1.200 - 1.250	1.0225
Pot life with 300 grs of mixture at25°C, minutes	D - 2471	Minimum 25	32
Adhesion to concrete (psi)	D 4541	Minimum 400	500
Adhesion to: FesterSIP I 620 MC, FesterSIP I 620 FT, FesterSIP A 650 MC, FesterSIP A 650 FT applied @ 3 hours dry FesterSIP P 612, (psi)	D 4541	Minimum 300	400

Note: The data cited herein were obtained under laboratory conditions.

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