

System 6500 Elastomer

Product Description: System 6500 Elastomer is an elastomeric waterproofing underlayment intended for use in conjunction with Floropoxy Topcoats or as an expansion joint filler. This two-component, 100% solids system is solvent-free and has an elongation of 150%.

Typical Uses, Applications: Ideally suited for commercial, industrial and institutional applications, such as:

- Parking Decks
- Mechanical rooms
- Mezzanines
- Ramps and walkways

Product Advantages:

- 150% Elongation
- Solvent free 100% solids
- Provides excellent resistance to urine, chlorine and pool chemicals, sun tan lotions, spirits and beverages
- Able to withstand heavy loads, extreme weather conditions, abrasion, chipping and high impact
- A variety of colors can be achieved with the addition of Florock 100% Solids Colorants

Packaging:

- 3 Gallon Case
- 15 Gallon Pail Set

Storage: All containers should be stored at 40° F to 95° F and be kept tightly sealed and out of direct sunlight.

Coverage:

System 6500 Elastomer will cover 80 SF/gal @ 20 mils as a membrane coating. As an expansion joint filler, each gallon of System 6500 Elastomer will fill approximately 77 linear feet of joints (assuming 1/2" wide and 1/2" deep).

Cured Physical Properties		
Property	Test Method	Results
Hardness, Shore A	ASTM D2240	75
Tensile Strength	ASTM D412	460 PSI
Impact Resistance	ASTM D2794	Excellent
Elongation	ASTM D412	150%
Abrasion Resistance, Taber Abrader CS 17 Wheel, 1000 gm load, 1000 cycles	ASTM D460	100 mg loss
Tear Strength	ASTM D6240	300 pli

Surface Preparation: New concrete must have a 28 day cure, and preferably a broom swept finish, prior to coating. In the case of older concrete flooring, remove all surface oils, paint, dust and debris. Prior to coating, make sure the surface is clean, passes the MVT test and water drop test and that all surface defects have been repaired. Refer to the "Preparation of Concrete" datasheet for more information on preparation and MVT before proceeding.

Note: Floropoxy should not be applied when floor temperature is above 90° F or below 55° F, or when within 5° F of the dew point.

1. Primer Application: Once surface preparation is complete, apply Floropoxy 4700 primer to the concrete floor. In a clean, dry container, blend 3 parts by volume of Component A and 1 part by volume of Component B. Mix only the amount that can be applied during the working time. Mix thoroughly for 3-5 minutes, using a low speed mechanical mixer. Transfer the mixture from the batch container to a transport container. Remix and pour entire mix from the transport container onto floor immediately. Retaining mixture in the bucket will shorten the pot life. Using a 1/8" V notched squeegee, apply primer at a rate of 160 SF/gallon and then backroll with a 3/8" nap roller immediately after spreading.

Note: The cure time will vary with conditions. Allow a minimum of 4 hours and a maximum of 24 hours before next step.

2. Elastomer Application:

1. In a clean, dry container, mix 2 parts by volume of System 6500 Component A with 1 part by volume of Component B. With a low speed mechanical mixer, mix well for 3 to 5 minutes. Apply the blended System 6500 using a 1/8" notched trowel or notched squeegee at an approximate rate of 80 SF/gallon and then backroll with a 3/8" nap roller. This will produce dry film thickness of approximately 20 mils.

2. If skid resistant characteristics are required, put on spiked shoes and broadcast #20 or #36 aluminum oxide at the rate of 7lbs/1000 SF into the wet coating.

3. When the 1st coat is cured, apply a fill coat of System 6500, using the same technique as in step 2.

Note: For tinting System 6500, add one quart Florock Epoxy Colorant to each 3 gallon mix of System 6500.

Note: When using as a membrane, 6500 should not be coated with a urethane. When used as a joint filler, 6500 can be coated with a urethane

Note: For additional chemical and abrasion resistance, apply 2 top coats of Florothane CR or Florothane MC Ultra over a coat of Floropoxy.

Instructions for Use over Existing Coatings:

Examine the existing coating to ensure that it is well bonded to the concrete. Any loose coating must be completely removed. Edges should be sanded to a feathered edge. Clean the entire floor thoroughly with detergent cleaner. The surface must be free of all dirt, oils, or other contaminants.

Liquid Physical Properties	
Blended Components	M0-099/U0-157
Solids by Weight	100%
Solids by Volume	100%
Spread Rate @ 20 mils DFT	80 SF/Gal
Weight per Gallon	8.5 lbs.
Viscosity	2000 cps
SETA Flash	>200°
Pot Life (10 lb. mass @ 77° F @ 50% F	17 min.
Mixing Ratio	2:1 by volume
Dry time @ 77° F @ 50% RH	
Set-to-touch	7-8 hours
Minimum Recoat	16 hours
Maximum Recoat	24 hours
Full Chemical Cure	7 days
Floor & Air Temp. Limitations	55° F - 90° F
Recommended Clean-Up Solvent	Xylene

After the floor has completely dried, sand the existing coating until a powdery residue is evident and all gloss is removed. Sweep or vacuum clean, and wipe with Florobase Thinner to ensure good adhesion of the new System.

Application as a Crack Filler or Expansion Joint Filler:

For best results, treat cracks and joints before coating the floor. Chip out all foreign debris and coatings to achieve a clean surface. Mix Floropoxy 4700 primer and brush onto crack or joint walls. Once cured, install backer rod into deep crevices. Mix System 6500 and pour until slightly over-filled. Allow to cure, then run over cracks/joints with sander to create a flush surface.

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Maintenance:

Sweep away dust and debris with a broom. Clean on a regular basis with a surfactant type, mild detergent. Florock floors never need to be waxed.

Please read material safety data before using product.

Disclaimer:

All statements and recommendations above are based on experience we believe to be reliable. The use or application of these products being beyond the control of the Seller or Manufacturer, neither Seller nor Manufacturer make any warranty, expressed or implied, as to results or hazard from its use. The suitability, risk and liability of a product for an intended use shall be solely up to the User