

SIL-750

SILICONE ELASTOMERIC ROOF COATING

DESCRIPTION

SIL750 is a single-component, silicone elastomeric roof coating designed to extend the life of a wide range of existing roof top environments. It provides superior weatherproofing and UV resistance. The outstanding features of SIL750 are its high solids content, rapid cure and superior physical properties. Tested and certified to meet Cool Roof Rating Council (CRRC) guidelines for Title 24 compliance

TYPICAL USES:

SIL750 can be applied to aged or cured single-ply systems, metal, modified bitumen, and concrete roof systems. It can be applied as a complete restoration system or as a maintenance, repair program.

FEATURES AND BENEFITS

- Economical - Extends the Life of Your Roof
- Ease of Application - Extremely Fast and Simple to Install
- Excellent Adhesion to a Variety of Roof Surfaces
- Hydrophobic - Withstands ponding water and water penetration
- Prolongs The Life of a Roof While Helping Lower Internal Temperatures and Reducing Cooling Costs
- Can Be Used to Reinforce and Seal Seams, Penetrations and Terminations, and Make Spot Repairs
- Slows Degradation Caused by Normal Weathering, Aging, and Ultraviolet Rays
- Retains Its Integrity From -80°F to 250°F (-62°C to 121°C)

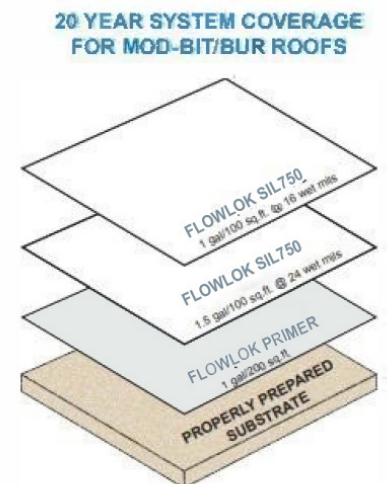
TESTING DATA		
PROPERTY	TEST METHOD	RESULT
Coverage Rate 15 mils	1.0 gal/100sq ft	
Durometer Hardness	50, Shore A	ASTM D-2240
Tensile Strength	300 psi @ 73°F	ASTM D-412
Elongation	250 % @ 73°F	ASTM D-412
Tear Resistance	130 lbs/in	ASTM D-624
Permeability	7.9 perms	ASTM E-96
Solids Content by Weight	94%	ASTM D-1644
Solids Content by Volume,	94%	ASTM D-2697
Volatile Organic Compound	< 50 g/L	ASTM D-2369-81
Weathering QUV 5000 hrs	Degradation	ASTM D-822
Drying Time@75°F 50% RH	3 hours	
Drying Time w/ accelerator@75°F 50% RH	<2 hrs	
Reflectivity (White)	88%	ASTM C-1549
Emissivity (White)	91%	ASTM C-1371

Preparation

This product may be applied directly to any clean, dry surface. Subsequent coats should be applied within 24 hours of prior applications to insure full and uniform adhesion. Before applying a subsequent coat, the previous coat must be completely dry and cured. If any contamination of a thoroughly cured surface occurs, it must be washed with a chemical cleaner before applying subsequent coats. Coating must be extended beyond the substrate to create a self-terminating flashing. Chalk, efflorescence, form release agents, loose paints, and other foreign matter. Remove mildew by scrubbing with an EPA registered solution to kill mildew or mold bacteria. Rinse with clean water and allow to dry thoroughly.

Application

Sil750 may be sprayed, brushed, or rolled. A high- pressure airless paint pump capable of producing a minimum of 4500 psi at the spray gun should be used. The pump should have a minimum of 3 gallons per minute output and be fed by a 5:1 transfer pump. Always use components rated for pump pressure. Hoses should have a maximum length of 200 feet, a minimum inside diameter of 1/2", a 3/8" whip may be used at the spray gun. The spray gun should be high pressure (5000 psi) with reverse-a- clean spray tip, having a minimum orifice of .019. Sil750 has a theoretical dry film thickness is 15 mils when applied at 1 gallon per 100 square feet. The minimum recommended thickness when used as a protective membrane is 24 dry mils.



Overspray from Flowlok Sil750 can carry considerable distances and attention should be given to the following:

1. Post warning signs a minimum of 100 feet from the work area.
2. Cover all intake vents near the work area.
3. Minimize or exclude all personnel not directly involved with the spray application.
4. No welding, smoking or open flames.
5. Have CO2 or other dry chemical fire extinguisher available at the jobsite.
6. Provide adequate ventilation.

COVERAGE RATE (OVER SPRAY FOAM)	
Property	Value
Coverage	15 mils at 1 gallon per 100 square feet
Performance, 10 years	1.5 to 2 gallons per 100 square feet
Performance, 15 years	2 to 2.5 gallons per 100 square feet
Performance, 20 years	2.5 to 3 gallons per 100 square feet
Dry Time, 75°F (24°C), 50% RH	3 hours
*Dry Time w/Accelerator Pkg. 75°F, 50% RH	2 hours
Recoat Time	7 to 10 days between coats
Final Cure	30 days
The information contained herein is for purposes of identifying the product and does not constitute a warranty that the product will conform to that description.	

Packaging

5 gallon pails, 55 gallon drums

Colors

Sil750 is available in a White, Light Grey, Light Tan and Medium Grey

Clean Up

Use an approved solvent to clean all tools and mixing equipment immediately after use.

Safety Precautions

Consult the **Flowlok Sil 750** safety data sheet (MSDS) for more complete information on product health, safety, and handling.

Avoid skin and eye contact.

Eye Contact: Flush immediately with water and consult a physician. Do not rub eyes.

Skin Contact: Wash immediately with soap and water.

Use with adequate ventilation or wear an appropriate NIOSH- approved respirator. Contact with vapors generated during curing may cause respiratory tract irritation.

Storage and Handling

Keep containers closed and store in a dry, cool place away from heat, sparks, open flame, and moisture. Keep material stored indoors between 32°F and 100°F. Open containers should be blanketed with dry nitrogen before resealing. Shelf life: 12 months in unopened containers. Do not allow material to freeze.

Warranties

Flowlok warrants that its product shall be in accordance with the specifications published in the current product data sheet. Flowlok will, in the event any of its products fail to meet their published specifications, replace those products proved to be defective.

Flowlok shall not be responsible for any incidental or consequential damages due to the breach of its warranties. Notwithstanding the foregoing, Flowlok's sole liability hereunder shall not exceed the cost of the defective product originally purchased.

EXCEPT AS SET FORTH ABOVE, FLOWLOK MAKES NO OTHER WARRANTIES EXPRESS OR IMPLIED AND MAKES NO WARRANTY AS TO THE MERCHANTABILITY OR FITNESS OF THE PRODUCT FOR A PARTICULAR PURPOSE. THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF.

The user must determine if the product is suited for the intended use and the user must bear the risks and liabilities associated with it.

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