DryTEX **SL 450**

Silicone Roof Waterproofing System

SL450 is a fluid applied, white, tough, flexible silicone waterproof membrane, formulated with100% solvent free polymers which forms a thick rubber-like blanket of protection that expands and contracts with roofs. SL450 truly waterproof flat roofs, pitched roofs, Parapet Walls, Concrete roofs, Metal Roof Decks, Terraces, etc., and provide a seamless roofing membrane that stays watertight longer than conventional seamed roofs. It will not crack, crumble, or peel despite exposure to severe weather or total joint movement.



FEATURES

- Completely seamless roof
- Expands and contracts - clings to your roof in all temperatures
- Energy Star rated product which saves Energy
- Reflects the sun's UV-rays & Protects corrosion
- Low VOC, non-toxic and environmentally compliant
- Fire retardant and provide insulation to heat and sound.

FIELD OF APPLICATIONS

For waterproofing and protecting a wide assortment of roofing substrates that are structurally sound such as concrete roofs, corrugated metal roofs, asphalt shingles, Insulation foam/board, Ceramic tiles, fibre cement boards, wood etc.

PROPERTIES (Confirmed to ESR-3796 , EN13501-1 Class E)

Property	Value	Test Method
Color:	White	
Density	1.1 g/cm³	
Hardness:	60 Shore A	ASTM D-2240
Tensile Strength	2 Mpa	ASTM D-412
Elongation:	450%	ASTM D-412
Crack Bridging	2mm	ASTM C 836
Flash Point:	None	
Permeability	3.5 perms	ASTM E-96
VOC	10 g/L	
Application temperature	55° - 100°F @Less than 85% relative humidity	
Coverage:	1 sq. m with 1.4 Kg @1000 micron Two coats (wet)	
Dry Time:	Dry to touch in 4 - 6 hours, 12 - 24 hours to recoat.	
Service temperature	-20°C to 120 °C	
SRI Value	≥ 90 %	
Shelf Life:	12 months @ 10°-50°C	

All values given are subject to ±5-10% tolerances

engineered to perform

INSTALLATION (a) Surface Preparation

Surfaces to be coated must be clean, dry and free of any oil, grease or dirt. Patch and repair cracks, blisters and other problem areas using suitable materials recommended by ORGANIX technical support. Any existing coating must be checked for good adhesion. The loose existing waterproof systems should be removed well. Clean by wire brush and use pressured air to blow out all the dust.

(b) Application

Tools or equipments to be used for the application

1. Roller (Short nap roller)
2. Brush (Good quality synthetic bristle brush)
3. Spray (Airless Sprayer, 1gpm, 3,000 psi, .027 or .031 tip)

(c) Reinforcing of seams and overlaps

Tight overlaps and standing seam joints do not need to be reinforced. Overlaps, corroded edges, penetrations of pipes or ducting should b reinforced by Reinforcing mat or fabric or Flexik RM (Contact ORGANIX for selecting the proper reinforcement product). If the reinforcement is by mat or fabric ,apply a light coat of Liquid DRYTEX SL450, center the reinforcement fabric on the overlap and roll it out taking care not to create wrinkles press fabric down with squeegee .Apply a full coat of Liquid Roof to seal top surface of fabric and roll back over to ensure coverage. All fasteners should be sealed or capped with DRYTEX SL450 with reinforcement material. If in case depends on substrate requires primer , contact OBS technical support)

(d) Coating Application

All roof-preparation materials must be allowed to dry prior to application of the DRYTEX SL450 coating. Immediately prior to application of the coating, all dust, dirt and other contaminants should be blown off the roof surfaces using compressed air. Cover the entire roof substrate as follows.

1. Apply the basecoat at a thickness of 500 Micron (wet) at a rate of 0.7 kg/sq.m

2. After allowing the basecoat to dry, apply the second coat at a thickness of 500 Micron (wet) at a rate of 0.7 kg/sq.m using a cross hatch technique. Apply the elastomeric coating by brush, roller or airless spray, using a multi pass spray technique to ensure even coating application to all sides of the substrate. Make a conscious effort to apply coating into crimped or pre-sealed vertical (side-lap) seams that have not been detailed.

3. The coating minimum thickness (wet) required at any location is 1000 micron. This is generally considered the minimum coating thickness . For extended coverage periods, additional coats and heavier film builds will be required according to the project requirements .

PACKING: 20 Kg PAIL

STORAGE: Store materials between 10°-50°C with careful handling to prevent damage to products. If conditions exceed these ranges, special consideration in storage must be taken. Do not store at high temperatures in direct sunlight. Shelf life under normal conditions in closed container will be 12 months.

WARRANTY

On preapproved, qualified applications, when you use an approved applicator, a 20 -year warranty is available. Contact OBS for complete warranty information.

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