

Elastomeric Reflective Roof Coating - White Architectural Coating - Premium

Description

Sol-Tec is a premium 100% acrylic elastomeric white reflective roof coating. This product is formulated for maximum durability and protection from the elements. Sol-Tec provides superior reflectivity and thermal protection from heat and harmful UV rays which provides 88% reflectivity, (decreasing roof temperature and air conditioning costs.)

This product has a 275% elongation which prevents cracking. Sol-Tec's superior elongation properties will handle roof and building movements, provide roof leak solutions and prolonged life expectancy of the roof. It has excellent adhesion to polyurethane foam and other roofing material including modified bitumen, asphalt shingles and galvanized steel. This product is not for use on wood roof shingles. Sol-Tec is also extremely easy to apply.

Sol-Tec is manufactured to exceed CA Title 24 requirements. Sol-Tec has a 7-Year Limited Warranty.

Recommended Uses

Polyurethane foam, modified bitumen and galvanized roof.
RESTRICTION: although this product has excellent water resistance properties, prolong water ponding may cause failure. Water ponding problem must be addressed prior to application of roof coating.

Packaging

Five gallon container, 55-gallon drum and totes

Surface Preparation

Surfaces must be clean, dry and free from all contaminants that may impair adhesion. Power wash is recommended prior to application of coating.

Primer

098 Soltec can be applied to most roof without a primer.

Application

Roll or spray. **TWO COATS ARE REQUIRED.** Avoid application within 48 hours of rain forecast. Ambient and surface temperatures must be above 45°F and relative humidity below 80%. Clean tools and equipment with soap and water.

Drying Time

24 hours **Note:** ambient temperature and humidity can drastically affect dry time.

Coverage

65 square feet per gallon.

Mil Thickness

Wet = 24.0 - 28.0 Dry = 12.0 - 14.0

Two coats is recommended

Thinning

DO NOT THIN

Composition

Titanium Dioxide	5.0%
Extenders	37.51%
TOTAL PIGMENT	42.51%
Acrylic Resin	24.23%
Additives	4.6%
Water	28.66%
TOTAL VEHICLE	57.49%

Weights & Measurements +/-3.0%

Solids by Volume:	50.0%
Solids by Weight:	65.6%
VOC:	44 g/l
Weight Per Gal:	12.2 lbs.
Viscosity:	111 KU

Testing

Mechanical Properties	ASTM D 2370
Tensile Strength	255 PSI
Elongation	275%
Tear Resistance	ASTM D 624 82 lb f/n
Adhesion	ASTM D 903
PUF Dry lb/l in.	4.9 cohesion/adhesion
PUF Wet lb/l in.	4.9 cohesion/adhesion
Galvanizeel Dry lb/l in.	3.8 cohesion/adhesion
Galvanizeel Wet lb/l in.	2.0 cohesion/adhesion
Water Swell STM D 471	9% (after 7 days)
Permeance ASTM D 1653	21.0 perm

Conformance

SCAQMD - complies with Rule 1113, Architectural Coatings. Meets or exceeds ASTM D 6083. Exceeds requirements of California Title 24.



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