



SmartRoof™ Premium 1-Coat High Solids Silicone Roof Coating

PRODUCT DESCRIPTION

Basic Uses: SmartRoof™ Premium 1-Coat High Solids Silicone Roof Coating is a solvent-free, one-component, moisture-curing silicone rubber roof coating system designed for use on existing smooth BUR, granulated cap sheet, well-adhered acrylic coating, concrete, metal, sprayed-in-place polyurethane foam and various aged membrane roofing. The coating is rolled or squeegee-applied and touch-up work can be done with a brush or roller. The system provides long-term protection because it resists weathering, aging, oxidation, wind-driven sand, rain and snow, the effects of ozone, ultraviolet radiation and the temperature extremes typically found on roofs. With its high solids content and absence of hydrocarbon solvents, SmartRoof Premium 1-Coat High Solids Silicone Roof Coating can be applied in excess of 40 mils in a single coat without blistering, while maintaining maximum adhesion. This product may contribute toward a variety of LEED credit points.

Composition and Materials: SmartRoof Premium 1-Coat High Solids Silicone Roof Coating is a dispersion of silicone rubber. This coating is a one-part, ready-to-use material that can be applied easily to a dry, frost-free surface, and cures at normal temperatures in 2 to 6 hours by reacting with moisture in the air.

Sizes: SmartRoof Premium 1-Coat High Solids Silicone Roof Coating is available in 1, 5, and 55 gallon containers.

Storage and Shelf Life: SmartRoof Premium 1-Coat High Solids Silicone Roof Coating has a shelf life of 36 months (3 years) from date of manufacture. Refer to product packaging.

TYPICAL PROPERTIES

These values are not intended for use in preparing specifications.

As Supplied:

Solids Content, percent by volume ASTM D-2697-3.....	92 (+/-3)
Specific Gravity, at 25°C (77°F).....	1.2
Tack-Free Time.....	1-2 hrs.
Cure Time.....	2-6 hrs.

Color

Bright White



As Cured:

Durometer Hardness, Shore A, points ASTM D-2240.....	42
Tensile Strength, die C, psi ASTM D-412.....	minimum 275
Elongation, percent ASTM D-412.....	minimum 150
Permeability ¹ , perms ASTM E-96.....	4.6
Tensile, set at 100 percent elongation.....	.50
Temperature Stability Range, °C (°F).....	-37 to 100 (-35 to 212)
Weatherometer, QUV, 50,000 hours ASTM B-4799.....	No degradation
Volatile Organic Compounds ASTM D-2369.....	<50g/l

¹120 mils at 38°C (100°F) and 90 percent relative humidity.



	Initial	Weathered
Solar Reflectance	.90	.59
Thermal Emittance	.89	.88
Rated Product ID Number	0002	
Licensed Seller ID Number	1094	
Classification	Production Line	

Cool Roof Rating council ratings are determined for a fixed roof set of conditions and may not be appropriate for determining seasonal energy performance. The actual effect of solar reflectance and thermal emittance on building performance may vary.

Manufacturer of product stipulates that these ratings were determined in accordance with the applicable Cool Roof Rating Council procedures.



California Title 24

