



SmartRoof™ Silicone Roof Coating

PRODUCT DESCRIPTION

Basic Uses:

SmartRoof™ Silicone Roof Coating is a 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 spray-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. **Requires TWO COATS.**

Composition and Materials: SmartRoof 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 temperature in 2 to 6 hours by reacting with moisture in the air.

Sizes: SmartRoof Silicone Roof Coating is available in 1, 5, and 55 gallon containers.

Storage and Shelf Life: SmartRoof 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.....	62 (+/-2)
Specific Gravity, at 25°C (77°F).....	1.3
Tack-Free Time.....	10-20 mins. ¹
Cure Time.....	2-6 hrs. ¹

Color

White

As Cured:

Durometer Hardness, Shore A, points ASTM D-2240.....	60
Tensile Strength, die C, psi ASTM D-412.....	minimum 400
Elongation, percent ASTM D-412.....	minimum 125
Permeability ¹ , perms ASTM E-96.....	2.9
Tensile, set at 100 percent elongation.....	400
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.....	<250g/l
Solar Reflectance	
ASTM C-1549/E-903.....	81.70%

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

