



#1044 SUNSCREEN™ WHITE ELASTOMERIC ROOF COATING

PRODUCT DESCRIPTION

Lucas #1044 Sunscreen™ White Elastomeric Roof Coating is an acrylic elastomeric roof coating intended for application to metal, concrete, EPDM, Elvaloy/PVC, polyurethane foam, asphalt BUR and granule surfaced roofs. A high degree of rubber-like elasticity allows this product to accommodate wide swings in temperature and significant building movement.

Lucas #1044 is formulated from elastomeric acrylic polymers. #1044 is supplied in highly reflective white and sandstone tan. This is a water-based material and must be kept from freezing.

APPLICATION

Mechanically mix before using. Do not store above 90°F. Apply only at temperatures above 40°F and rising with less than 90% humidity and no threat of rain for 48 hours. Surface temperatures should be under 100°F to avoid premature curing. If roof surface is hot, apply a light water spray to reduce its temperature.

The roof should be power-washed clean with Lucas #115 Universal Wash. All metal roof fasteners should be inspected and loose, broken or missing fasteners replaced. All seams and fasteners should be sealed with Lucas #4500 100% solids Semi-Self-leveling Sealer or #1500 Acrylic Mastic prior to coating the roof. Cracked areas should be reinforced with Tietex fabric. The surface must be clean and free of loose or flaky rust and paint. Rusted areas should be pre-treated with Lucas #1025 Rust Inhibiting Primer.

Apply with a roller or suitable spray equipment at the rate of 1.25 gallons per 100 sq. ft. A second coat of #1044 is required to achieve a consistent, pin-hole free, surface approximately 20 mils thick. Drying time to first top coat @ 70°F is 2 to 4 hours.

Lucas #1044 may be used for complete restoration of mobile home roofs when combined with polyester fabric reinforcement. For complete encapsulation of the roof, 40 inch widths of fabric should be embedded in 2 gallons per 100 sq. ft. of coating. An additional two coats of Lucas #1044 at 1.5 gallons per 100 sq. ft., totaling 3 gallons, should be applied to the top surface after the first coat has dried. All laps should be a minimum of 4 inches.

When applied to areas that retain water more than 48 hours service life will be severely diminished and adhesion failure can be expected.

The preceding directions are basic guidelines only. Please read and understand the complete Lucas Guide Specification for this product for the intended application. The Guide Specification is available from techsupport@rmlucas.com

Clean up: Soap and water (wet coating).

Shelf Life: One year from the date of manufacture.

#1044 SPECIFICATION

Viscosity	ASTM D 2196	60,000 cps
Solids by Weight	ASTM D 1644	64%
Solids by Volume	ASTM D 2697	50%
Weight per Gallon	ASTM D 1475	11.8 lbs.
Wet Film Per Gallon	ASTM D4414	16 mils
Dry Film Per Gallon	SSPC-PA 2	8 mils
Tensile Strength	ASTM D 2370	250 psi
Elongation	ASTM D 2370	350 %
Reflectivity – Initial	ASTM C 1549	.84
Reflectivity – Aged	ASTM D 1918	.72
Emissivity	ASTM C 1371	.89
SRI	LEED	105
Flash Point	ASTM D56	NA
VOC	EPA 24	18 g/l

Container Sizes: 5, 55, 275 gallon

Colors: White, Sandstone Tan

Lucas #1044 meets all requirements of the Urban Heat Islands Provision of the Chicago Energy Code.



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