



# #1000TC ELASTOMERIC ROOF COATING

## #1000TC SPECIFICATION

ASTM D 6083

### PRODUCT DESCRIPTION

Lucas #1000TC Elastomeric Roof Coating is a 100% acrylic elastomeric roof coating intended for application to metal, modified bitumen, asphalt BUR, TPO, PVC, EPDM, Hypalon and concrete roofs. A high degree of rubber-like elasticity allows this product to accommodate wide swings in temperature and significant building movement. Lucas #1000TC and a #1000 series base coating, suitable for the roof system to be coated, is required.

Lucas #1000TC is formulated from 100% acrylic polymers. #1000TC is supplied in Energy Star white and both standard and custom colors. 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 must be cleaned with Lucas #115 Universal Wash. All fasteners should be inspected and loose, broken or missing fasteners replaced. All seams, fasteners, curbs and penetrations should be sealed with Lucas #1500 Acrylic Mastic.

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

Apply with a roller or suitable spray equipment at the rate of 1.25 to 1.5 gallons per 100 sq. ft. A base coat of Lucas #1000 series base coating is required to achieve a consistent, pin-hole free, surface 20 to 30 mils thick. Drying time to first top coat @ 70°F is 2 to 4 hours.

Lucas #1000TC may be used for complete restoration of most roofs when combined with polyester fabric reinforcement. For complete encapsulation or the roof, 40 inch widths of fabric should be embedded in 2 gallons per 100 sq. ft. of the appropriate base coating. An additional two coats of Lucas #1000TC 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.

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](mailto:techsupport@rmlucas.com)

Clean up: Soap and water (wet coating).

Shelf Life: One year from the date of manufacture.

**CAUTION:** Avoid prolonged contact with or inhalation of fumes. Do not take internally. If swallowed, do not induce vomiting. Contact medical personnel immediately. Read SDS prior to use. For professional use only. Emergency phone number 1-800-424-9300.

Viscosity	ASTM D 2196	60,000 cps
Solids by Weight	ASTM D 1644	64%
Solids by Volume	ASTM D 2697	52%
Weight per Gallon	ASTM D 1475	11.7 lbs.
Tensile Strength	ASTM D 2370	275 psi
Elongation	ASTM D 2370	240%
Reflectivity – Initial	ASTM C 1549	.85
Reflectivity – Aged	ASTM D 1918	.76
Emissivity	ASTM C 1371	.89
SRI	LEED	107
Flash Point	ASTM D 56	NA
VOC	EPA 24	18 g/l

Container Sizes: 5, 55, 275 gallon

Colors: White, Cool Gray, Cool Tan, Bronze, Medium Bronze, Royal Brown, Dark Gray, Gray, Clay, Wicker, Sandstone.

Lucas #1000TC meets all requirements of the Urban Heat Islands Provision of the Chicago Energy Code. This product is Florida Building Code Approved. Meets following with 1000TC top coating:



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