



# LUCAS *Coatings & Mastics for the Roofing Trade*

R. M. Lucas Co. 3211 S. Wood St. Chicago, IL 60608 (773) 523-4300 [rmlucas.com](http://rmlucas.com)

## #1000TC ELASTOMERIC ROOF COATING

### PURPOSE

Lucas #1000TC Elastomeric Roof Coating is an elastomeric top coating intended for application to metal, single-ply, built-up and modified bitumen roofs after application of a suitable Lucas #1000 series acrylic base coat. Lucas #1000TC is formulated specifically for durability and maintenance of a high degree of solar reflectivity. This prolongs roof service life and reduces interior building temperatures and associated cooling costs.

### PRODUCT DESCRIPTION

Lucas #1000TC is formulated from 100% acrylic polymers high quality reflective white pigments. 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. Surfaces must be power washed clean with a suitable residue-free detergent such as Lucas #115. The surface may be damp but must be free of standing water. Surface temperatures should be under 100°F to avoid premature curing.

This product displays very good resistance to intermittent ponding water. However, when applied to areas that retain water permanently or near-permanently, service life will be severely diminished and adhesion failure can be expected.

Apply with a roller or suitable spray equipment at the rate of one gallon per 100 sq. ft. Apply only over the appropriate gray Lucas base coats. Spray application is preferred as it will yield a smoother surface that will be less likely to pick up dirt. Drying time to second coat @ 70°F is 2 to 4 hours.

Lucas #1000TC may be used for repair or complete restoration of single ply roofs when combined with polyester fabric reinforcement and a suitable base coating. For complete encapsulation of the roof, 40 inch widths of fabric should be embedded in 2 gallons per 100 sq. ft. of Lucas #1000 series base coating appropriate for that roof. For smaller repairs, cut widths of fabric are available. An additional two coats of #1000TC at 1.5 gallons per 100 sq. ft., totaling 3 gallons, should be applied to the top surface of the fabric after the first coat has dried.

Alternately, Lucas #1000 TC may be used to top coat polyester fabric that has been saturated with Lucas #1015 Acrylic Resin Poly-Saturant. Please read the Product Data Bulletin for Lucas #1015 for information on this complete system

Clean up uncured coating with soap and water.



The existing un-coated modified bitumen roof has aged prematurely and appears brown from the oils that have 'cooked out' of the membrane.



Lucas # 1000TC is applied over an initial coat of Lucas #1000MB.



After a coating of Lucas #1000TC the same roof is sealed and protected with a cool white finish that will reflect heat away from the roof and prolong the roof's service life.

## CAUTION

Avoid skin contact and inhalation of fumes. If irritation occurs seek medical attention. Keep out of reach of children. Read MSDS prior to use.

## #1000TC SPECIFICATION

Applicable Specification  
Viscosity ASTM D-562

ASTM D-6083  
600G @ 77°F (25°C)  
(3000 cps)

Recommended rate of application

1 gal. per 100 sq. ft

Must be applied over a suitable base coat of Lucas #1000MB, #1000SP or #1000M.

% Elongation

200 min

% Solids

65 min

Weight per gallon

12 lbs.

Solar Reflectivity

% Initial

80 min.

% Aged 3 Years

50 min.

This product complies with the requirements of Chapter 18-13-303.2.1 of the Chicago Energy Code (Urban Heat Islands)

Flash Point (TCC)

None

Container Sizes

5, 55, 250 gal tote

Colors

Standard Cool White

\* Following colors are approximate examples of standard colors. Liquid or dry samples available. Other colors available upon request.



Information contained in this bulletin is offered gratis on the basis of our field experience and laboratory tests conducted carefully using modern equipment verified for accuracy. No warranty is expressed or implied beyond the purchase price of the material. We suggest that the user evaluate the products suitability for a particular use prior to application. We reserve the right to improve, change, or discontinue specifications and products without prior notice.