



#1000TPO ELASTOMERIC BASE COATING FOR TPO ROOFS

PRODUCT DESCRIPTION

Lucas #1000TPO Elastomeric Base Coating is a 100% acrylic elastomeric roof coating designed for specifically application to aged TPO roofs. A higher degree of rubber-like elasticity allows this product to match the elastic characteristic of TPO single-ply membranes. Lucas #1000TPO must be top-coated with Lucas #1000TC.

Lucas #1000TPO is formulated from 100% acrylic polymers. #1000TPO is supplied in a light blue color to shorten dry time and allow the applicator to visually differentiate between base and top coated areas. 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. The roof 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. If roof surface is hot, apply a light water spray to reduce its temperature.

Repairs may be made with Lucas #5500 Seam Sealer or #6500 Universal Flashing Cement prior to coating application. These are solvent based products and should be allowed to cure 48 hours prior to coating. Alternately, repairs may be made with Lucas #1500 Acrylic Mastic only after the base coat of Lucas #1000TPO has been applied and is fully cured.

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 second coat of #1000TC (Top Coating) is required. 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. Clean up uncured coating with soap and water.

Lucas #1000TPO may be used for complete restoration of single ply 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 #1000TC at 1.5 gallons per 100 sq. ft., totaling 3 gallons, should be applied to the top surface. All laps should be a minimum of 4 inches.

Alternately, the applicator may elect to reinforce only the seams—where failure is most likely. Apply Lucas #1000TPO at the rate of 2 gal per 100 sq. ft., embed 6 or 12 inch wide fabric centered on the seam followed by an additional 2 gal. per 100 sq. ft. of #1000TPO on top of the fabric. Coat the entire roof with one coat each of #1000TPO and #1000TC as described previously.

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.

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.

#1000TPO SPECIFICATION

Viscosity	ASTM D 2196	60,000 cps
Solids by Weight	ASTM D 1644	63%
Solids by Volume	ASTM D 2697	50%
Weight per Gallon	ASTM D 1475	11.1 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	220%
Reflectivity – Initial	ASTM C 1549	NA
Reflectivity – Aged	ASTM D 1918	NA
Emissivity	ASTM C 1371	NA
SRI	LEED	NA
Flash Point	ASTM D56	NA
VOC	EPA 24	19 g/l

Container Sizes: 5, 55, 275 gallon

Colors: Light Blue

Lucas #1000TPO 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 topcoat:



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Seller warrants that this product shall be free of any defect in material or workmanship under normal use for a period of ONE YEAR from the date of purchase. This warranty does not extend to any defect or failure caused by misuse and/or incorrect application. LIMITATION OF LIABILITY: In the event of a defect or failure falling under this warranty, Buyers sole remedy shall be refund of the purchase price or replacement of the defective material, at Seller's option. Under no circumstances shall Seller be liable for any losses or damages caused by this product, whether direct, indirect, special, incidental or consequential damages, whether based on contract, tort (including negligence) or any other legal theory.

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