



# LUCAS *Coatings & Mastics for the Roofing Trade*

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## #3000 THERMO-METALLIC ROOF COATING

### PURPOSE

Aluminum pigmented asphalt roof coatings have been used successfully for many years to protect asphalt, modified bitumen and metal roofs. Although these products continue to serve the roofing industry as an economical, highly reflective surfacing, there remained an opportunity for improvement.

Polymer based Lucas #3000 Thermo-Metallic Roof Coating offers the following additional performance benefits vs. aluminum/asphalt coatings: Less fading - a clear polymer/resin base replaces the black asphalt binder and allows for maximum reflectivity that will not noticeably fade over time. Ultra-low moisture permeability allows application in areas that retain ponding water. Lucas #3000 is a protective waterproof coating in addition to being highly reflective. Elasticity accommodates building movement and allows this product to seal minor seam and fastener defects. #3000 is also an ideal coating for alligatored asphalt roofs as the coating flows into and seals the cracks. Higher durability extends service life to match that of most installed roof systems. #3000 is compatible with many single-ply roof systems.

### PRODUCT DESCRIPTION

Lucas #3000 is based on tough Styrene Ethylene/Butylene Styrene polymers and a clear adhesive hydrocarbon resin in an aromatic hydrocarbon vehicle. This product contains no asphalt. High reflectivity is maintained due to the addition of three pounds per gallon of high quality aluminum pigment. Additionally, high loadings of anti-oxidants and light stabilizers ensure durability throughout roof service life.

### APPLICATION

Surface to be coated must be dry and free of dirt or corrosion particles. Low areas of the roof must be given special attention as surface contamination collected in these areas will interfere with adhesion and cause coating failure. **MECHANICALLY MIX** coating thoroughly and continuously before and during application. Apply evenly with a roller or suitable spray equipment. For best results, roll coating in one direction with the slope of the roof. Two coats may be required on porous or rusty surfaces or areas that retain ponding water. Do not apply over fresh roof repairs or coating. Roofing asphalts should be allowed to cure thoroughly to avoid staining. As this condition is unpredictable, we recommend that the user apply a small amount of #3000 to the area of the roof to be coated in order to test its performance. Use #3000 as it comes from the container, no thinning is necessary with this product. Avoid entraining air while mixing the product. In very hot weather entrained air may form bubbles or blisters.



The existing APP modified bitumen roof has been power-washed with Lucas #115 Detergent Roof Primer. #3000 is applied by roller.



Lucas #3000 flows into cracks and gaps sealing the surface. Smoother surfaces drain water more efficiently and prevents the cracks from developing into leaks.



A completed roof is fully restored with a bright reflective surface that shields the existing roof from further UV damage. #3000 is completely waterproof and will withstand ponding water.

## CAUTION

Combustible mixture, keep away from heat and open flames. Avoid prolonged contact with skin or fumes. If irritation occurs seek medical attention. Do not use near heat or open flame. Keep out of reach of children. Read MSDS prior to use.

## #3000 SPECIFICATION

Applicable Specification Viscosity ASTM D-562	NA 800g @ 77°F (25°C) (3000 cps)
Recommended rate of application	BUR: 1 - 2 gal. per 100 sq. ft Modified: ½-1 gal. per 100 sq. ft Metal: 1- 1.5 gal per 100 sq. ft.
% Solids	40 min
% Non-volatile	50 max
Weight per gallon	8.3 lbs.
Initial Solar Reflectivity	70% min
Aged Solar Reflectivity	65% min
Elongation	500% min
Recovery (nominal)	95% min
Flash Point (TCC)	+100°F (38.7°C)
Container Sizes	5, 55
Colors	Aluminum

Lucas #3000 Thermo-Metallic Roof Coating meets all requirements of the Urban Heat Islands provision of the Chicago Energy Code 18-13-303.2.1.

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