



## #3000 THERMOPLASTIC ALUMINUM ROOF COATING

### PRODUCT DESCRIPTION

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 Thermoplastic Aluminum 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.

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.

### 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 in 2 coats of 1 gallon per sq. each. For best results, roll the coats at opposing angles to each other. 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 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: Clean up with Lucas #125 Safe Solve™.

Shelf Life: Two years from the date of manufacture.

\*Roof surfaces must be dry for coating application. Even when the surface appears dry, moisture trapped in the roof, deck or insulation. A moisture scan is recommended prior to application. Application of this coating within 5°F of the dew point is not

recommended. For more information on dew point calculation, see FAQs at [rmlucas.com](http://rmlucas.com).

\*\*Certain PVC roofs may contain plasticizers that can soften #5000. Applicator is responsible for determining the type and manufacturer of the roof to be coated.

**WARNING! COMBUSTIBLE LIQUID AND VAPOR.** Contains petroleum distillates. Keep away from heat and open flames. Avoid prolonged contact with or inhalation of solvent fumes. A NIOSH approved respirator with organic vapor cartridges is recommended. 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.

### #3000 SPECIFICATION

Viscosity	ASTM D 2196	15,000 cps
Solids by Weight	ASTM D 1644	42%
Solids by Volume	ASTM D 2697	36%
Weight Per Gallon	ASTM D 1147	7.9 lbs.
Tensile Strength	ASTM D 2370	1700 psi
Elongation	ASTM D 2370	500%
Reflectivity – Initial	ASTM C 1549	.64
Reflectivity – Aged	ASTM D 1918	.61
Emissivity	ASTM C 1371	.44
SRI	LEED	63
Flash Point	ASTM D 56	103°F / 39°C
VOC	EPA 24	< 550 g/l

Container Sizes: 5, 55 gallon

Colors: Aluminum

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