



## #637 ELASTOMERIC ALUMINUM ROOF COATING

### PRODUCT DESCRIPTION

Styrene Butadiene Styrene (SBS) polymers have been used successfully for many years to modify asphalt for use in roofing and waterproofing. SBS polymers have the unique ability to form a network within the asphalt which modifies its behavior. The asphalt becomes elastomeric, or rubber-like, with the ability to stretch and recover in response to building movement and rapid changes in temperature. #637 Elastomeric Aluminum Roof Coating combines the advantages of modified asphalt with the reflective, UV blocking abilities of leafing aluminum pigments. Aluminum pigmented coatings can substantially reduce interior building temperature and prolong roof service life. Polymer modified asphalts also provide much greater resistance to moisture and will perform better than standard Aluminum Roof Coatings in areas of ponding water. #637 may be used on asphalt, metal and modified bitumen roofs. This product provides an ideal surfacing for SBS modified bitumen as the coating will form a cohesive molecular bond with the polymer modifiers in the roof membrane. When applied to metal roofs, #637 remains flexible and will accommodate building movement in lighter gauge metal better than traditional fibered aluminum coatings.

Lucas #637 has the highest reflectivity of any aluminum coating listed by US EPSA Energy Star.

Lucas #637 Elastomeric Aluminum Roof Coating is formulated from specially refined asphalt, SBS polymers, aromatic and aliphatic solvents and 3 lbs. per gallon of ASTM D 962 leafing aluminum paste. Formulated to spread easily and evenly by brush, roller or spray.

### APPLICATION

Surface to be coated must be dry and free of dirt or corrosion particles. It will be helpful to turn the pails upside down 24 hours prior to application so that the settled aluminum releases from the bottom of the pail. Before mixing pour 50% of the liquid contents into a clean 5 gallon pail. All of the aluminum should remain in the original pail. Mix the aluminum into the liquid contents. When it is free of lumps, add back the liquid from the second pail and mix until uniform. Mechanically mix coating thoroughly and continuously before and during application. Power mixing is recommended, a square bladed drywall mud mixer and 1/2 inch drill is recommended for 5 gal pails.

Apply evenly with a soft bristle brush or suitable spray equipment at the rate of not less than one and one half and not more than two gallons per 100 square feet. For best results, brush coating in one direction with the slope of the roof. Do not apply over fresh roof repairs or coating. Roofing asphalts, both hot and cold applied, contain oily constituents which may bleed through and stain the finished coating. As this condition is unpredictable, we recommend that the user apply a small amount of #637 to the area of the roof to be coated in order to test its performance. Use #637 as it comes from the container, no thinning is necessary with this product.

Clean up: Clean up with Lucas #125 Safe Solve™.

Shelf Life: One year 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).

**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.

### #637 SPECIFICATION

ASTM D 2824 Type I

Viscosity	ASTM D 2196	8,000 cps
Solids by Weight	ASTM D 1644	61%
Solids by Volume	ASTM D 2697	50%
Weight Per Gallon	ASTM D 1147	8.7 lbs.
Wet Film Per Gallon	ASTM D4414	16 mils
Dry Film Per Gallon	SSPC-PA 2	8 mils
Tensile Strength	ASTM D 2370	350 psi
Elongation	ASTM D 2370	325%
Reflectivity – Initial	ASTM C 1549	.73
Reflectivity – Aged	ASTM D 1918	.57
Emissivity	ASTM C 1371	.32
SRI	LEED	75
Flash Point	ASTM D 56	103°F / 39°C
VOC	EPA 24	< 400 g/l

Container Sizes: 5, 55 gallon

Colors: Aluminum



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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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