



LUCAS Professional Coatings, Sealants & Adhesives

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#8400 100% SILICONE ROOF COATING LOW SOLIDS

PRODUCT DESCRIPTION

100% silicone based Lucas #8400 is a single part roof coating that creates a barrier that is resistant to natural weathering, is durable, breathable, watertight and weatherproof. Lucas #8400 can be applied over spray applied polyurethane foam, EPDM, PVC, aged acrylic coatings, concrete, asphalt BUR, granulated modified bitumen, and metal roofs. Asphalt BUR, granulated modified bitumen, smooth modified bitumen, and PVC roofs may require Lucas #4015 2 Part Epoxy Primer for increased adhesion and/or asphalt bleed through resistance. #8400 is not recommended for aluminum coated roofs. On single-ply roofs, #4015 must also be used to increase long term adhesion in areas that retain water. #8400 may be applied to TPO roofs with Lucas #8015 TPO Primer.

Lucas #8400 is manufactured from durable inorganic silicone resins, reinforcing fillers, reflective pigments and silane adhesion promoters.

APPLICATION

Mechanically mix prior to application. Surface to be coated must be dry and free of dirt or corrosion particles. Clean with Lucas #115 Universal Wash. EPDM roofs in particular require aggressive power washing and may need to be cleaned twice to remove all surface contamination. Thoroughly rinse the roof after cleaning to remove all detergent. Close all fresh air intakes before application to prevent solvent fumes from entering the building. All seams, fasteners and penetrations should be sealed with silicone sealant. Apply a coat of #8400 at a rate of 1 gallon per 100 sq. ft. A second coat may be necessary. Allow coating to cure, typically 2 to 4 hours, then apply second coat at the rate of 1 gallon per 100 sq. ft. For best results, apply coating in a multi-directional fashion. Use #8400 as it comes from the container, no thinning is necessary with this product.

Light traffic deck systems and non-slip safety walkways may be constructed by topping the #8400 coating with durable and light weight Lucas #402 EPDM granules at the rate of 15 lbs. per square. Available in Gray and Safety Yellow for walkways.

This product cures through absorption of moisture from both the substrate and the air. Avoid entraining air when mixing. Cure time will be faster in humid conditions and on substrates that hold moisture such as concrete. Open and partially full containers will skin over quickly. If this occurs, remove the skin and continue using the remaining product.

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: Clean up with Lucas #901.

Shelf Life: Two years from the date of manufacture.

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.

#8400 SPECIFICATION

ASTM D 6694

Viscosity	ASTM D 2196	30,000 cps
Solids by Weight	ASTM D 1644*	81%
Solids by Volume	ASTM D 2697*	71%
Weight Per Gallon	ASTM D 1147	10.2 lbs.
Wet Film Per Gallon	ASTM D4414	16 mils
Dry Film Per Gallon	SSPC-PA 2	11 mils
Elongation	ASTM D 2370	550%
Tensile Strength	ASTM D 2370	300 psi
Tear Strength	ASTM D 624	31 lbf/in
Reflectivity – Initial	ASTM C 1549	.83
Reflectivity – Aged	ASTM D 1549	.72
Emissivity	ASTM C 1371	.89
SRI	LEED	106
Flash Point	ASTM D 56	103°F / 39°C
VOC	EPA 24	220 g/l

Typical physical properties +/- 5%

Container Sizes: 5, 55 gallon

Colors: White, Gray



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