



# LUCAS Professional Coatings, Sealants & Adhesives

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## #8000HR 100% SILICONE ROOF COATING HIGH SOLIDS

### PRODUCT DESCRIPTION

100% silicone based Lucas #8000HR is a single part roof coating that creates a barrier that is resistant to natural weathering, is durable, breathable, watertight and weatherproof. Lucas #8000HR can be applied over spray applied polyurethane foam, EPDM, PVC, aged acrylic coatings, concrete, asphalt BUR, granulated modified bitumen, and metal roofs. Lucas #8000HR has excellent primerless adhesion to many surfaces when tested in accordance with ASTM D 6694.

### 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. Primerless application is allowed on some substrates, refer to current Lucas Guide Specification for your project. Adhesion test results meeting the requirements of ASTM D 6694 are required for primerless applications. Discoloration of #8000HR coating is expected when applied without primer to asphalt surfaces. Asphalt BUR, granulated modified bitumen, and smooth modified bitumen roofs may require Lucas #1015 Resin Primer or #4015 2 Part Epoxy Primer for increased adhesion and/or asphalt bleed through resistance. On aged single-ply roofs, #4015 may also be used to increase long term adhesion in areas that retain water. #8000HR may be applied to aged PVC with #4015 or #1015 Primer. #8000HR may be applied to TPO roofs with Lucas #8015 TPO Primer. All penetrations, drains, flashings, ponding water areas, terminations, curbs, etc., should be sealed with Lucas #8500 and/or reinforcement as stated in our Lucas Guide Specification. Roof temperature should be above freezing during application. Use #8000HR as it comes from the container, no thinning is necessary and mechanically mix prior to use. Apply uniform coat of #8000HR at a rate of 1.5 gallon per 100 sq. ft., coverage rates may vary, refer to the current Lucas Guide Specification for your project. A second coat may be necessary, apply the second coat in a multi-directional fashion within 48 hours of application of the first coat for best results.

Light traffic deck systems and non-slip safety walkways may be constructed by using Lucas #402 EPDM granules, available in Gray and Safety Yellow. Review the #402 Product Data Sheet for installation instructions.

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](mailto:techsupport@rmlucas.com)

Clean up: Clean up with Lucas #901.

Shelf Life: Two years from the date of manufacture.

CAUTION: Avoid prolonged contact with skin or fumes. If irritation occurs seek medical attention. Keep out of reach of children. Read SDS prior to use. For professional use only. Emergency phone number 1-800-424-9300.

### #8000HR SPECIFICATION

#### ASTM D 6694

Viscosity	ASTM D 2196	30,000 cps
Solids by Weight	ASTM D 1644*	98%
Solids by Volume	ASTM D 2697*	97%
Weight Per Gallon	ASTM D 1147	11.5 lbs.
Wet Film Per Gallon	ASTM D4414	16 mils
Dry Film Per Gallon	SSPC-PA 2	15.5 mils
Tensile Strength	ASTM D 2370	265 psi
Elongation	ASTM D 2370	425%
Tear Strength	ASTM D 624	24 lbf/in
Permeability	ASTM E 96	<5 Perms
Reflectivity – Initial	ASTM C 1549	.88
Reflectivity – Aged	ASTM D 1549	Pending
Emissivity	ASTM C 1371	.91
SRI	LEED	112
Flash Point	ASTM D 56	NA
VOC	EPA 24	< 25 g/l

Typical physical properties +/- 5%

Container Sizes: 1, 5, 55 gallon

Colors: White, Black, Gray, Tan



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