



#8400 100% SILICONE ROOF COATING LOW SOLIDS

PRODUCT DESCRIPTION

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, aged PVC, aged acrylic coatings, concrete, asphalt BUR, granulated modified bitumen, and metal roofs. Lucas #1015 Primer will be needed as an asphalt bleed blocker for asphalt BUR, granulated modified bitumen, smooth modified bitumen roofing systems, and may be needed to increase adhesion on aged PVC roofing systems. Lucas #8400 is not recommended for aluminum coated roofs. Lucas #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

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. Primer-less 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 primer-less applications. Discoloration of Lucas #8400 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 for asphalt bleed through resistance. Lucas #8400 is not recommended on aluminum coated roofs. Lucas #8400 may be applied to TPO roofs with Lucas #8015 TPO Primer. On metal substrates, where rust is present, after removing all loose material, Lucas #1019 should be applied to the rusty area prior to application of Lucas #8400 or #8500. 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 40° and rising during application. Use Lucas #8400 straight from the container, no thinning is necessary, and mechanically mix prior to use. Apply uniform coat of #8000 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 skins 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 Lucas Guide Specification is available from techsupport@rmlucas.com.

Clean up: Tools and other equipment can be cleaned with mineral spirits. Take necessary precautions when handling combustible materials.

Storage: Keep from freezing. Keep out of direct sunlight. Do not heat or thin. Store between 40°F and 95°F. High temperatures and high humidity during storage will shorten the product's shelf life.

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 CONTACT: CHEMTREC 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.
Dry Film Per Gallon		11 mils
Elongation	ASTM D 2370	550%
Tensile Strength	ASTM D 2370	300 psi
Tear Strength	ASTM D 624	29 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 gallon Colors:

White



Cement and
Coatings For
Roof Systems
as to External
Fire Exposure
3MAU



To the extent allowed by local law, except as set forth below, seller makes no warranty of merchantability or fitness for any particular purpose with respect to the goods herein sold. There are no other warranties of any kind, expressed or implied, beyond the terms set forth on the face hereof. No employee or agent of the seller is authorized to alter the terms hereof.

Seller warrants that this product shall be free of any defect 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, buyer's sole remedy shall be refunded 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.

NOTE: Some or all of the foregoing may not apply or may be invalid under the laws applicable to buyer's purchase or claim. Consult local law to determine the applicability of any of the foregoing in the event of any defect or failure of this product.

10/09/2025