



## #5100 THERMOPLASTIC BASE COATING

### PRODUCT DESCRIPTION

Polymer based Lucas #5100 Thermoplastic Base Coating is an elastomeric solvent based coating intended for the repair and restoration of metal, TPO and Hypalon roofs. Use on barns, warehouses, metal trailers and shipping containers. Ultra-low moisture permeability prevents corrosion while high elasticity allows conformation to building movement.

Lucas #5100 is based on tough, elastic Styrene Ethylene/Butylene Styrene polymers and a clear adhesive hydrocarbon resin in an aromatic hydrocarbon vehicle. High reflectivity is maintained due to the incorporation of high quality titanium dioxide. Additionally, high loadings of antioxidants and light stabilizers ensure durability throughout roof service life.

### APPLICATION

Surface to be coated must be dry and free of dirt or corrosion particles. All seams, fasteners and penetrations should be sealed with #5500 Seam Sealer. The roof must then be coated with Lucas #5100 Thermoplastic Base Coating at a rate of 1.25-1.5 gallons per 100 square feet. **MECHANICALLY MIX** coating thoroughly and continuously before and during application. For best results, maintain coating temperature at 70° F or higher. Roof temperature should be above freezing during application. Once applied, the coating is unaffected by temperature. When the Base Coating is cured, apply the Top Coating at a rate of 1.25-1.5 gallons per 100 square feet. For best results, apply coating in one direction with the slope of the roof. Roofing asphalts may cause staining. As this condition is unpredictable, we recommend that the user apply a small amount of #5000 to the area of the roof to be coated in order to test its performance. Not recommended for application over existing acrylic roof coating. Use #5000 as it comes from the container, no thinning is necessary with this product.

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 #5100. Applicator is responsible for determining the type and manufacturer of the roof to be coated.

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)

**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.

### #5100 SPECIFICATION

ASTM D 6083 (except solvent based)

Viscosity	ASTM D 2196	30,000 cps
Solids by Weight	ASTM D 1644	55%
Solids by Volume	ASTM D 2697	44%
Weight Per Gallon	ASTM D 1147	8.8 lbs.
Wet Film Per Gallon	ASTM D4414	16 mils
Dry Film Per Gallon	SSPC-PA 2	7 mils
Tensile Strength	ASTM D 2370	1600 psi
Elongation	ASTM D 2370	800%
Flash Point	ASTM D 56	103°F / 39°C
VOC	EPA 24	< 550 g/l

Container Sizes: 5, 55 gallon

Colors: Base Coat Gray

This product is Florida Building Code approved. Other certifications with #5000 Top Coating:



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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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