



# Highland International, Inc.

## Technical Data Sheet



### 805-LH Series HiTemp 1000°F Topcoat (Low HAPs)

805-LH Series HiTemp 1000°F Topcoat is a single package special silicone copolymer paint that is available in a variety of colors. It's designed to exceed conventional high temperature paint products in heat stability, color purity, durability & ease of application. These qualities make #805-LH Series an excellent choice for painting hot mix asphalt plant components and other areas that see elevated temperatures up to 1000°F. **NOTE: This product will not completely cure until it is exposed to the proper heat requirements (see Cure Time below). Also, excessive DFT could result in bubbles or delamination of the coating.**

<b>Vehicle Type:</b>	Silicone Copolymer	<b>Dry-Time:</b>	<b>Normal Application</b>	<b>Hot Application</b>
<b>Pigmentation:</b>	Lead Free, Zinc Phosphate & Extenders	<b>To Touch</b>	15 Minutes	N/A
<b>Reducers for:</b>	Not normally required	<b>Tack Free</b>	30 Minutes	N/A
<b>In summer if desired:</b>	Highland #100	<b>To Recoat</b>	1-2 Hours	N/A
<b>In winter if desired:</b>	Highland #120	<b>To Handle</b>	1-2 Hours	N/A
<b>Mixing Ratio:</b>	Single Package	<b>Put in Service</b>	12 Hours	N/A
<b>Pot Life:</b>	Not Applicable	<b>V.O.C.:</b>	3.5 lbs. per gallon (419 grams/liter)	
<b>Volume Solids:</b>	43%	<b>Shelf Life:</b>	1 Year Minimum	
<b>Theoretical Coverage:</b>	688 Sq. Ft. per Gallon @ 1 Mil DFT	<b>Finish:</b>	Flat	
<b>Flash Point:</b>	-4°F (Lowest Flashing Component)	<b>Color:</b>	Selected Range	
<b>Recommended DFT:</b>	2-3 Mils	<b>Cure Time:</b>	4 Hr. @ Minimum 250°F to Maximum 500°F or 1 Hour Minimum 475°F to Maximum 500°F	

**Preparation:** (1) All surfaces to be painted should be dry and free of all foreign contaminants. (2) Apply over #830 or #860 HiTemp Primers up to 450°F. For extra durability and corrosion protection, apply over #74 Acid-Temp 500°F Epoxy Hybrid up to 500°F, #15-ZN Modified Silicone-Zinc Primer or #335 Series Hi-Zinc Inorganic Zinc Primer up to 1000°F.

**Application Requirements:** (1) Stir product thoroughly prior to use. (2) Apply at a rate of 229-344 square feet per gallon to obtain the recommended film thickness.

**Special Notes:** Apply coating no more than 2-3 mils DFT in one coat when topcoating over the 15-ZN. Do not heat cure between coats. To prevent delamination and/or gas bubbles, do not exceed 5 mils DFT when topcoating over #830, #860 or #74 primers. Allow 12 hours after application before heat cure.

<b>Method of Application:</b>		<b>Conventional Spray</b>	<b>Airless Spray:</b>	
<b>Gun:</b>	DeVilbiss MBC-510	<b>Gun:</b>	Graco 205-591	
<b>Fluid Tip:</b>	E	<b>Pump:</b>	30:1	
<b>Air Cap:</b>	704	<b>Tip Range:</b>	3.011 - 4.013 @ 1800 psi minimum	
<b>Atomizing Pressure:</b>	60 psi	<b>Hose:</b>	3/8 inch ID	
<b>Pot Pressure:</b>	15-20 psi			
<b>Hose:</b>	3/8 inch ID			
<b>Brush or Roller:</b>	Touch-up only			
<b>Clean Up:</b>	After use, clean all equipment with lacquer thinner.			

**Safety Precautions:** (a) Use normal precautions such as gloves, facemasks, and barrier creams. (b) Adequate ventilation must be maintained. In confined areas, workmen must wear constant flow airline respirators. (c) If product comes into contact with skin, wash thoroughly with lukewarm water or diluted Boric Acid, and obtain immediate medical attention. (d) This product contains **FLAMMABLE** materials. Keep away from sparks and open flames. Observe **NO SMOKING** regulations. (e) All electrical equipment and installations should conform to NEC regulations. In areas where explosion hazards exist, workmen should be required to use non-ferrous tools, and to wear conductive, non sparking shoes. (f) Observe low flash regulations. (g) Refer to Material Safety Data Sheet (MSDS) for complete safety instructions.

The technical data listed herein has been compiled for your convenience and guidelines, and is based upon our experience and knowledge. However, since we have no control over the use of this information, or this product, no warranty, express or implied, is intended or given. Highland assumes no responsibility whatsoever for coverage, performance, or any other damage, including injuries from use of this information of products recommended herein.

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Updated 1-21-09