



# Highland International, Inc.



## Technical Data Sheet

### 865-LH Series HiTemp Modified Silicone Alkyd Topcoat (Low HAPs) For the Hot Mix Asphalt Industry

865-LH Series HiTemp is a single package modified silicone topcoat that is limited to under 3.5 Lbs. VOC per gallon. Originally designed for hot mix asphalt plants, HiTemp 865-LH meets a multitude of high heat demands. Due to the high silicone content, heat and light stable pigmentation, HiTemp 865-LH Series maintains exceptional gloss and color purity in rugged environments as well as when exposed to high temperatures. 865-LH Series will remain intact in constant temperatures of 375°F and intermittent excursions to 400°F. It will lose gloss at 300°F and color purity at 350°F.

<b>Vehicle Type:</b>	Modified Silicone Alkyd	<b>Dry-Time:</b>	<b>Normal Application</b>	<b>Hot Application</b>
<b>Pigmentation:</b>	Lead Free	<b>To Touch</b>	30 minutes	N/A
<b>Reducers for:</b>	Not normally required	<b>Tack Free</b>	2 hours	N/A
<b>In Summer if desired:</b>	Highland #100	<b>To Recoat</b>	Within 3 hours	N/A
<b>In Winter if desired</b>	Highland #120	<b>To Handle</b>	6-8 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>	52%	<b>Shelf Life:</b>	1 Year Minimum	
<b>Theoretical Coverage:</b>	832 Sq. Ft. per Gallon @ 1 mil DFT	<b>Finish:</b>	Gloss	
<b>Flash Point:</b>	16°F Lowest Flashing Component	<b>Color:</b>	Selected Range	
<b>Recommended DFT:</b>	2-3 mils	<b>Weight:</b>	11.5 Lbs. per Gallon	

**Preparation:** All surfaces to be painted should be dry and free of contaminants. Apply over #84 Structural primer (*areas with ambient temperatures*), #830 or #860 HiTemp Primers. For extra durability and corrosion protection apply over #74 AcidTemp Epoxy Hybrid.

**Application Requirements:** (1) Stir product thoroughly prior to use. (2) Apply at a rate of 277-416 square feet per gallon to obtain the recommended film thickness.

#### Method of Application:

##### Conventional Spray

##### Airless Spray:

<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>	20 psi		
<b>Hose:</b>	1/2 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.

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