



Highland International, Inc.

Engineered Paint Systems

HiTemp 865-LH Series

Modified Silicone Alkyd Topcoat for use in the Hot Mix Asphalt Industry

HiTemp 865-LH Series is a single package modified silicone topcoat that is limited to less than 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 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.

Vehicle Type:	Modified Silicone Copolymer
Pigmentation:	Lead Free
Reducer:	Not Normally Required
In summer if desired:	Highland #100 Reducer
In winter if desired:	Highland #120 Reducer
Mix Ratio:	Single Package
Pot Life:	N/A
Volume Solids:	52%
Theoretical Coverage:	832ft ² /gal. @ 1 mil DFT
VOC:	3.50 lbs per gal (419 g/L)
Flash Point:	16°F (Lowest Flashing Component)
Recommended DFT:	2-3 mils

Dry-time:	<u>Normal</u>	<u>Hot Application</u>
To Touch:	30 Minutes	N/A
Tack Free:	2 Hours	N/A
To Recoat:	Within 3 Hrs.	N/A
To Handle:	6-8 Hours	N/A
Put in Service:	12 Hours	N/A

Shelf Life:	1 Year Minimum
Finish:	Gloss, Satin, Flat
Color:	Selected Range

Surface Preparation

- 1) All surfaces to be painted should be dry and free of all foreign contaminants.
- 2) Apply over #84 Structural primer (on areas with ambient temperatures), or #830 or #860 HiTemp Primers on surfaces with elevated temperatures.
- 3) For Extra durability and corrosion protection, apply over #47 Acid-Temp Hybrid Epoxy Novolac.
- 4) Apply over Highland 48 Series 450°F Insulating Epoxy Primer

The technical data listed herein has been compiled for your convenience and guidelines are based upon our experience and knowledge. However, since we have no control over the use of this information or this product, no warranty expressed 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 or products recommended herein.

Mixing and Application Requirements

- 1) Stir product thoroughly prior to use.
- 2) Spray-apply in one coat at a rate of 277-416 square feet per gallon to obtain recommended DFT.

Method of Application

Conventional Gun:	DeVilbiss MBC-510
Fluid Tip:	E
Air Cap:	704
Atomizing Pressure:	60 psi
Pot Pressure:	20 psi
Hose:	1/2 inch ID

Airless Gun:	Graco 205-591
Pump:	30:1/45:1/60:1, Gas Pump Acceptable
Tip Range:	3.011– 4.013
Pump Pressure:	1,800 – 3,000 psi Minimum
Hose:	3/8 inch ID

Brush or Roller:	Touch Up Only
Clean Up:	Clean all equipment with lacquer thinner

Safety Precautions

- 1) Use normal precautions such as gloves, facemasks and barrier creams.
- 2) Adequate ventilation must be maintained. In confined areas, workmen must wear constant flow airline respirators.
- 3) If product comes into contact with skin, wash thoroughly with lukewarm water or diluted Boric Acid, and obtain immediate medical attention.
- 4) This product contains **FLAMMABLE** materials. Keep away from sparks and open flames. Observe **NO SMOKING** regulations.
- 5) 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.
- 6) Observe low flash regulations.
- 7) Refer to Material Safety Data Sheet (MSDS) for complete safety instructions.