

# 865-LH Series

## Modified Silicone Alkyd Topcoat



HiTemp Universal Hotmix Topcoat is a single package modified silicone copolymer that is limited to less than 3.5 lbs. VOC per gallon. Specifically 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. Achieve easy one-coat coverage over Highland approved primers (see typical systems for details).

### Tech Specs

**Heat Resistance:** 375°F Constant w/ Excursions to 400°F  
Will lose gloss @ 300°F  
Will lose color purity @ 350°F

**Vehicle Type:** Modified Silicone Copolymer

**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<sup>2</sup> /gal. @ 1 mil DFT

**VOC:** <419 g/L

**Flash Point:** 16°F (Lowest Flashing Component)

**Dry Film Thickness:** 2-3 mils DFT

**Wet Film Thickness:** 4-6 mils WFT

**Dry-time:** **Normal**  
To Touch: 30 Minutes  
Tack Free: 2 Hours  
To Recoat: Within 3 Hours  
If 3 hours or more have passed wait 7 days before topcoating

To Handle: 6-8 Hours  
Put in Service: 12 Hours

**Shelf Life:** 2 Years Minimum

**Finish:** Gloss, Satin, Flat

**Color:** Standard & Custom

**Packaging:** 5 gallon pails & 55 gallon drums

**Storage Temperature:** 20°F - 110°F

### Surface Preparation

All surfaces should be clean, dry and free of all foreign contaminants.  
Apply over Highland approved primer. Consult Highland technical data sheet for recoat windows on approved primer before application.  
See typical systems for primer options.

### Mixing & Application

**Mixing:** Highland 865 Series needs to be thoroughly mixed using mechanical agitation. It is ready to spray after proper mixing.  
**Reduction:** Reduction is not required, if desired, reduce by 0% - 10% with Highland 100 or 120 reducer.

Highland 865 Series is designed for spray application. To ensure optimal performance, apply according to recommendations below.

**Airless Gun:** Graco 205-591  
**Pump:** 30:1/45:1/60:1  
**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

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

**Clean Up:** Highland #901 Cleaning Solvent

## Typical Systems

Highland 865 Series may be applied over a variety of Highland Primers:

**84-LH Series Primer** For ambient "non-high temperature" areas

**860-HF Series Primer** For high temperature areas up to 400°F

**47-HF Series Primer** For added corrosion resistance in high temperature areas up to 400°F

A wide range of primers are suitable for use with Highland 865 Series Universal Hot-Mix Topcoat. For more options call a Highland representative.

## Safety Information

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