

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 ² /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