

Highland International, Inc.



Technical Data Sheet

835 Series HiTemp Silicone Alkyd Topcoat For the Hot Mix Asphalt Industry

835 Series HiTemp is a single package Silicone Alkyd Topcoat coating originally designed for hot mix asphalt plants. Due to the high silicone content and the heat and light stable pigmentation, 835 Series maintains exceptional gloss and color purity in elevated temperatures and rugged industrial & atmospheric conditions. 835 Series will remain intact in constant temperatures of 375°F and excursions to 400°F. It will lose gloss at 300°F and color purity at 350°F.

Vehicle Type:	Silicone Alkyd	Dry-Time:	Normal Application	Hot Application
Pigmentation:	Lead & Chromate Free	To Touch	20 to 30 Minutes	N/A
Reducers for:	Not normally required	Tack Free	1 Hour	N/A
In Summer if desired:	Highland #100	To Recoat	1 Hour	N/A
In Winter if desired	Highland #120	To Handle	2-3 Hours	N/A
Mixing Ratio:	Single Package	Put in Service	12 hours	N/A
Pot Life:	Not Applicable	V.O.C.:	3.5 Lbs. per Gal. (419 grams/liter)	
Volume Solids:	35%	Shelf Life:	1 Year Minimum	
Theoretical Coverage:	560 Sq. Ft. per Gallon @ 1 mil DFT	Finish:	Gloss, Semi-Gloss, Satin, & Flat	
Flash Point:	45°F Lowest Flashing Component	Color:	Selected Range	
Recommended DFT:	2-3 mils	Weight:	8.5 Lbs. per Gallon	

Preparation: All surfaces to be painted should be dry and free of all foreign 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 500°F Epoxy Hybrid.

Application Requirements: (1) Stir product thoroughly prior to use. (2) Apply at a rate of 187 to 280 square feet per gallon to achieve recommended film thickness.

Special Notes: 835 Series can be applied over clean, dry, previously painted surfaces that are tightly bonded to substrate.

Method of Application:		Conventional Spray:		Airless Spray:	
Gun:	DeVilbiss MBC-510	Gun:	Graco 205-591		
Fluid Tip:	E	Pump:	30:01:00		
Air Cap:	704	Tip Range:	3.011 - 4.015 @ 1800 psi minimum		
Atomizing Pressure:	60 psi	Hose:	3/8 inch ID		
Pot Pressure:	20 psi				
Hose:	1/2 inch ID				

Brush or Roller:	Touch up only
Clean Up:	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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