

**#840 Series Exterior HiTemp Dry-Fall "One-Coat" Silicone Alkyd Enamel Topcoat**

840 Series HiTemp Dry-Fall is a single package modified silicone copolymer enamel coating limited to 3.75 lbs. VOC per gallon. Originally designed for hot mix asphalt plants, HiTemp 840 meets a multitude of high heat demands. Due to the high silicone content and the heat and light stable pigmentation, HiTemp 840 maintains exceptional gloss and color purity in heat and rugged coastal and winter environments. Since it dries to a powder within 10-20 feet from point of application, it can be used in high-traffic areas where overspray damage to nearby cars and equipment would otherwise be a concern. 840 Series will remain intact in constant temperatures of 375°F and in intermittent excursions to 450°F. It will begin to lose gloss at 300°F and color purity at 350°F.

<b>Vehicle Type:</b>	Silicone Copolymer Alkyd	<b>Dry-Time:</b>	<u>Normal Application</u>	<u>Hot Application</u>
<b>Pigmentation:</b>	Lead Free	<b>To Touch</b>	10 Minutes	N/A
<b>Reducers for</b>		<b>Tack Free</b>	30 Minutes - 1 Hour	N/A
<b>Dry-Fall Application:</b>	30-E for 80°F and above	<b>To Recoat</b>	30 Minutes	N/A
	32-E for 80°F and below	<b>To Handle</b>	2-3 Hours	N/A
		<b>Put in Service</b>	12 Hours	
<b>Mixing Ratio:</b>	Single Package	<b>V.O.C.:</b>	3.75 Lbs. per Gallon (448 Grams/Liter)	
<b>Pot Life:</b>	Not Applicable	<b>Shelf Life:</b>	1 Year Minimum	
<b>Volume Solids:</b>	42%	<b>Finish:</b>	Gloss	
<b>Theoretical Coverage:</b>	672 Sq. Ft. per Gallon @ 1 Mil DFT	<b>Color:</b>	Selected Range	
<b>Flash Point:</b>	Lowest Flashing Component -8°F	<b>Weight:</b>	10-11 Lbs. per Gallon	
<b>Recommended DFT:</b>	2-3 Mils	<b>Cure:</b>	Air Dry	

**Application Requirements:** (1) All surfaces to be painted should be clean, dry, and free of all foreign contaminants. (2) Apply over 860 or 830 Series HiTemp Primer, or over previously painted surfaces that are tightly bonded. (3) Stir product thoroughly prior to use. (4) Apply at a rate of 224 to 336 square feet per gallon to achieve recommended film thickness.

**To assure Dry-Fall effect, do not apply in temperatures below 45°F or on very humid days.**

**Reduction:** Reduce #840 series 15%-20% in Conventional Application or 10% in Airless Application with proper Exempt Reducer:

Highland VOC Exempt Reducer #30-E Warm Weather Dry-Fall Reducer for ambient temperatures above 80°F

Highland VOC Exempt Reducer #32-E Regular Dry-Fall Reducer for ambient temperatures below 80°F

**\*Electric Airless spray equipment is not recommended. We have found this equipment does not generate proper atomization required for Highland Dry-Fall Products\***

**Method of Application:**

<u>Conventional Spray</u>		<u>Airless Spray:</u>	
<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 - 4.011 @ 1800 psi.
<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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