



# Highland International, Inc.



## Technical Data Sheet

### #840-SF Series HiTemp Dry-Fall 400°F Modified Silicone Alkyd Satin Finish Topcoat

840 Series HiTemp Dry-Fall is a single package modified silicone copolymer topcoat limited to 3.5 lbs. VOC per gallon. Originally designed for hot mix asphalt plants, HiTemp 840 meets a multitude of high heat demands. Due to high silicone content and the heat and light stable pigmentation, HiTemp 840 maintains exceptional 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 remains intact in constant temperatures of 350°F and in intermittent excursions to 400°F. It can begin to lose color purity at 350°F.

<b>Vehicle Type:</b>	Silicone Copolymer Alkyd	<b>Dry-Time:</b>	<b>Normal Application</b>	<b>Hot Application</b>
<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: (Must Reduce Product 15%)</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>	3.5 Lbs. per Gallon (420 Grams/Liter)	
<b>Pot Life:</b>	Not Applicable	<b>Shelf Life:</b>	1 Year Minimum	
<b>Volume Solids:</b>	42%	<b>Finish:</b>	Satin	
<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	

**Preparation:** Apply over Highland's #830 or #860 Dry-Fall HiTemp Primers, #74 AcidTemp Primer or over previously painted surfaces that are tightly bonded. All surfaces to be painted should be dry and free of contaminants.

**Application:** To assure Dry-Fall effect, do not apply in temperatures below 45°F, on surfaces below 40°F, or humidity above 85% .

**Make sure the equipment you are using to spray with will give you accurate PSI readings so that the pressure from the pump can be maintained at 1800 psi allowing a maximum +/- 25 psi for surges.**

The product's curing will slow drastically to temperatures below 40°F.

Do not apply in temperatures that are 5°F or less from the dew point.

**Reduction:** Must Reduce 15% with:

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

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

#105 Brush and Roll Reducer for Dry-Fall Coatings

If "fingering" occurs during the spray application, increase the amount of thinner, which decreases the viscosity of the paint. **Do not increase the pump pressure. Maintain 1800 psi allowing +/- 25 psi for surges.**

<b>Method of Application:</b>	<b>Conventional Spray</b>	<b>Airless Spray</b>
<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> 0.011
<b>Atomizing Pressure:</b>	60 psi	<b>Hose:</b> 3/8 inch ID (Do not use whip lines)
<b>Pot Pressure:</b>	20 psi	<b>Pump Pressure</b> 1800 psi allowing +/- 25 psi for surges
<b>Hose:</b>	1/2 inch ID	
<b>Brush or Roller:</b>	Reduce 10% Min #105 Reducer	<b>Clean Up:</b> After use, clean 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.

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

P. O. Box 3564 Boone, NC 28607

Updated 8-5-09

800-444-1438 www.highland-international.com