



Highland International, Inc.



Technical Data Sheet

#850-DF Series HiTemp Dry-Fall 500°F Silicone Gloss Topcoat

#850-DF Series HiTemp Dry-Fall is a single package special silicone paint available in a variety of colors with a gloss finish. It has found great success in soil-burning plants and Hot Mix Asphalt Plants due to its outstanding color purity and gloss retention. This product's overspray will dry to a powder within 10-20 feet from the point of application, allowing painting to continue without the worry of paint overspray damage to nearby vehicles or equipment.

Vehicle Type:	Silicone Copolymer	Dry-Time:	Normal Application	Hot Application
Pigmentation:	Lead Free	To Touch	15 minutes	N/A
Reduction:	Reduce 15% with proper reducer	Tack Free	30 minutes	N/A
Dry-Fall Application:	30-E for 80°F and above	To Recoat	1-2 Hours	N/A
	32-E for 80°F and below	To Handle	1-2 Hours	N/A
		Put in Service	12 Hours	N/A
Mixing Ratio:	Single Package	V.O.C.:	3.5 Lbs. per Gallon (420 Grams/Liter)	
Pot Life:	N/A	Shelf Life:	1 year minimum	
Volume Solids:	35%	Finish:	Gloss	
Theoretical Coverage:	560 Sq. Ft. per gallon @ 1 Mil DFT	Color:	Selected Range	
Flash Point:	-8°F (lowest flashing component)	Weight:	Varies with color	
Recommended DFT:	2-3 mils	Cure Time:	4 Hr. @ Minimum 250°F to Maximum 500°F or	
			1 Hour Minimum 475°F to Maximum 500°F	

Preparation: (1) Apply over Highland's #830 or #860 HiTemp Primers (up to 450°F), #74 AcidTemp Primer, #335 Series Hi-Zinc Inorganic Zinc Primer, #15-ZN HiTemp Silicone Zinc Primer or over previously painted surfaces that are tightly bonded.

(2) 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.

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.**

Method of Application:	Conventional Spray	Airless Spray
Gun:	DeVilbiss MBC-510	Gun: Graco 205-591
Fluid Tip:	E	Pump: 30:1
Air Cap:	704	Tip Range: 3.011
Atomizing Pressure:	60 psi	Hose: 3/8 inch ID (Do not use whip lines)
Pot Pressure:	20 psi	Pump Pressure 1800 psi allowing +/- 25 psi for surges
Hose:	1/2 inch ID	
Brush or Roller:	Reduce 10% Min #105 Reducer	
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.

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.

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