



HiTemp Dry-Fall 807-DF Series
1200°F Silicone Copolymer DTM/Topcoat Aluminum

807-DF HiTemp Aluminum is the result of extensive research and testing into maximum paint application and performance under extremely elevated temperatures. It has excellent adhesion to steel surfaces and provides corrosion protection on surfaces with temperatures up to 1200°F. 807-DF provides the same high performance protection as #807 but in a Dry-Fall formula. Paint overspray dries to a powder within 20 feet from point of application and eliminates overspray damage.

NOTE: This product will not completely cure until exposed to proper heat requirements (see Cure Time below). Also excessive DFT may result in bubbles or delamination of the coating.

Vehicle Type:	Silicone Copolymer
Pigmentation:	Heat resistant aluminum & extenders
Reducer:	
Below 80°F:	Highland #32-E Reducer 10%
Above 80°F:	Highland #30-E Reducer 10%
To Maintain Wet Edge:	Highland #36-E Blending Reducer 5%
Mix Ratio:	Single Package
Pot Life:	Not Applicable
Volume Solids:	36%
Theoretical Coverage:	576 ft ² /gal. @ 1 Mil DFT
Flash Point:	-8°F (Lowest Flashing Component)
Recommended DFT:	3-5 mils as a DTM 2-3 mils as a topcoat
Dry-time:	
To Touch:	15 minutes
Tack Free:	1 Hour
To Recoat:	1-2 Hours
To Handle	1-2 Hours
Put in Service:	12 Hours
VOC:	419 g/L
Shelf Life:	2 Year from DOM
Finish:	Eggshell
Color:	Aluminum (or #808 Gray, #810 Black)
Cure Time:	After 12 hours, 4 Hrs. @ minimum 250°F to Max. 500°F or 1 Hr. minimum @ Maximum 500°F

Surface Preparation

- 1) All surfaces to be painted should be dry and free of all foreign contaminants.
- 2) Minimum acceptable surface preparation should be in accordance with SSPC-SP6 Commercial Blast.
- 3) A low profile blast (1.5 to no more than 2 mils) is preferred.

Mixing and Application Requirements

- 1) Stir product thoroughly prior to use
- 2) Apply directly to steel in 2 coats at a rate of 140-186 square feet per gallon to obtain the recommended film thickness when using as a DTM.
- 3) Apply at a rate of 186-280 square feet per gallon to obtain the recommended film thickness when using as a topcoat over: #830 or 860 HiTemp Dry-Fall Primers up to 400°F.
- 4) For extra durability and protection apply over #47Chem-Temp Epoxy Hybrid for temperatures up to 500°F or 15-ZN-DF Silicone Zinc Primer or #335 HiZinc Primer for temperatures up to 1000°F.
- 5) Do not heat cure between coats.

SPECIAL NOTES: When using as a topcoat apply no more than 2-3 mils DFT. To prevent delamination and/or gas bubbles do not exceed a total dry film thickness of 5 mils when applying as a topcoat or DTM. Allow 12 hours after application before heat cure.

Method of Application

Conventional Gun:	DeVilbiss MBC-510
Fluid Tip:	E
Air Cap:	704
Atomizing Pressure:	60 psi
Pot Pressure:	15-20 psi
Hose:	3/8 inch ID
Airless Gun:	Graco 205-591
Pump:	30:1/45:1/60:1, Gas Pump is Acceptable
Tip Range:	3.011 – 4.013
Pump Pressure:	1800 psi +/- 25 psi for surges
Hose:	3/8 inch ID
Brush or Roller:	Touch Up Only
Clean Up:	Clean all equipment lacquer thinner

Safety Precautions

- 1) Use normal precautions such as gloves, facemasks and barrier creams.
- 2) Adequate ventilation must be maintained. In confined areas, workmen must wear constant flow airline respirators.
- 3) If product comes into contact with skin, wash thoroughly with lukewarm water or diluted Boric Acid, and obtain immediate medical attention.
- 4) This product contains **FLAMMABLE** materials. Keep away from sparks and open flames. Observe **NO SMOKING** regulations.
- 5) 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.
- 6) Observe low flash regulations.
- 7) Refer to Material Safety Data Sheet (MSDS) for complete safety instructions.

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