

809-DTM HiTemp 1200°F

Fast Dry Silicone Alkyd OEM DTM



Highland 809-DTM is an industrial Hi-heat coating specifically designed for OEM applications. This coating delivers a smooth, uniform appearance with a fast-dry time. Special pigments are utilized to achieve maximum heat resistant properties and color stability.

Tech Specs

Heat Resistance:	1200°F Constant
Vehicle Type:	Modified Silicone Alkyd
Reducer:	Xylene
Mix Ratio:	Single Package
Pot Life:	N/A
Volume Solids:	30%
Theoretical Coverage:	673ft ² /gal. @ 1 mil DFT
VOC:	Less than 3.5 lbs. /gal (420 g/l)
Flash Point:	45°F (Lowest Flashing Component)
Dry Film Thickness:	1.5 – 2.5 mils DFT
Wet Film Thickness:	5.0 – 8.3 mils WFT

Dry-time:	Normal
To touch:	30 Minutes
To recoat:	4 Hours
To Ship:	24 Hours
Hot Application:	N/A
Shelf Life:	2 Years Minimum
Finish:	Flat
Color:	Black
Packaging:	1, 5, & 55 gallon containers
Storage Temperature:	40°F - 100°F

Surface Preparation

All surfaces should be clean, dry and free of all foreign contaminants per SSPC-SP1 Solvent Cleaning with Highland 901 Cleaning Solvent.

Carbon Steel:

Best: A SSPC-SP 10 Near White Metal Blast to achieve a low blast profile of 1.0-1.5 mils is recommended **Good:** A SSPC-SP6 Commercial Blast will provide good results in most situations.

Acceptable: While abrasive blast cleaning is preferred, when it is not an option, Hand or Power Tool Cleaning per SSPC-SP3 may be used and will provide good results.

Mixing & Application

Mixing: Highland 809-DTM Series needs to be thoroughly mixed using mechanical agitation. It is ready to spray after proper mixing.

Highland 809-DTM Series is designed for spray application. To ensure optimal performance, apply according to the following recommendations.

Airless Applications

Airless Gun:	Titan 740 Impact or equivalent
Fluid Pressure:	2700 – 3100 PSI
Manifold Filter:	60 Mesh
Gun Filter:	360 Mesh

Hose:	¼" Diameter
Gun:	LX-8011 or equivalent
Tip:	.015 - .021
Clean Up:	Clean all equipment with Highland #901 Cleaning Solvent

Recommended Uses

Highland 809-DTM is designed for use wherever maximum resistance to heat, humidity, and weather is required. Highland 809-DTM is formulated for superior sprayability with smooth, uniform coverage. Highland 809-DTM dries fast for quick handling. This product can be used on heaters, stacks, boilers, breeches, mufflers, radiators, storage tanks, pipelines, steam lines and other high temperature substrates.

Performance

This highly advanced coating performs as well as many pure silicone coatings, but has the distinct advantage of air-curing. Highland 809-DTM can be applied directly to most types of metals including stainless steel. Highland 809-DTM provides excellent corrosion protection coupled with outstanding weatherability. The curing mechanism is a unique combination of solvent evaporation and resin cross-linking. This allows the coating to quickly air dry for handling in fast paced production environments.

Typical Systems

DTM Services: Apply 1 coat of 809-DTM Series at 1.5-2.5 mils DFT in a single uniform coat.

Safety Information

- Use normal precautions such as gloves, facemasks and barrier creams.
- Adequate ventilation must be maintained. In confined areas, applicators must wear constant flow airline respirators.
- If product comes into contact with skin, wash thoroughly with lukewarm water or diluted Boric Acid, and obtain immediate medical attention.
- This product contains FLAMMABLE materials. Keep away from sparks and open flames. Observe NO SMOKING regulations.
- All electrical equipment and installations should conform to NEC regulations. In areas where explosion hazards exist, applicators should be required to use nonferrous tools, and to wear conductive, non sparking shoes.
- Observe low flash regulations.
- Refer to Safety Data Sheet (SDS) for complete safety instruction