

# Stovemaster 1200 Series

## HiTemp 1200°F Modified Silicone Topcoat



Highland Stovemaster 1200 is an industrial high temperature coating specifically designed for Wood Stoves, BBQ equipment, and 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
Reducer:	Xylene
Mix Ratio:	Single Package
Pot Life:	N/A
Volume Solids:	23%
Theoretical Coverage:	369ft <sup>2</sup> /gal. @ 1 mil DFT
VOC:	527 g/l
Flash Point:	45°F (Lowest Flashing Component)
Dry Film Thickness:	1.5 - 2 mils DFT
Wet Film Thickness:	6.5 – 8.6 mils WFT

Dry-time:	Normal
To Touch:	15 Minutes
To Recoat:	2 Hours
To Ship:	24 Hours
Cure Requirements:	Air Dry
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.

A SSPC-SP1 Solvent Cleaning with Highland 901 Cleaning Solvent is recommended before blasting or other cleaning method.

#### 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.

#### Stainless Steel:

Surface must be clean and dry. Remove all oil, grease, soil, drawing and cutting compounds and other foreign matter by solvent cleaning per SSPC-SP1.

## Mixing & Application

**Mixing:** Highland Stovemaster 1200 Series needs to be thoroughly mixed using mechanical agitation. It is ready to spray after proper mixing.

To ensure optimal performance, apply according to recommendations below.

### Airless Applications

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

**Hose:** 1/4 inch ID  
**Gun:** LX-8011 or equivalent  
**Tip Range:** .015 - .021  
**Clean Up:** Clean all equipment with Highland #901 Cleaning Solvent

## Recommended Uses

Highland Stovemaster 1200 is designed for use wherever maximum resistance to heat, humidity, and weather is required. Highland Stovemaster 1200 is formulated for superior sprayability with smooth, uniform coverage. Highland Stovemaster 1200 dries fast for quick handling. This product can be used on heaters, stacks, boilers, breeches, mufflers, radiators, storage tanks, pipelines, steam lines, etc., where operating temperature will not exceed 1200°F (649°C). **Not recommended** for use on the **inside** of ovens, stacks, etc.

## Performance

This highly advanced coating performs as well as many pure silicone coatings, but has the distinct advantage of air-curing. Highland Stovemaster 1200 can be applied directly to most types of metals including stainless steel. Highland Stovemaster 1200 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 Stovemaster 1200 Series at 1.5-2 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

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