

# 802 Series

## 500°F Silicone Copolymer Primer/DTM



HiTemp Hot Spot Eliminator Primer/DTM is a premium silicone copolymer high heat coating effective on steel surfaces operating up to 500°F. Hot Spot Eliminator provides long lasting corrosion protection when used on Ductwork, KO boxes, or any other areas that see temperatures up to 500°F. This fantastic coating may be used direct-to-metal, or topcoated with a variety of Highland topcoats (see typical systems for details). Hot Spot Eliminator Primer/DTM does not require a heat cure.

### Tech Specs

Heat Resistance:	500°F Constant w/ Excursions to 600°F
Vehicle Type:	Modified Silicone Copolymer
Reducer:	Not Normally Required
In summer if desired:	Highland #100 Reducer
In winter if desired:	Highland #120 Reducer
Mix Ratio:	Single Package
Pot Life:	N/A
Volume Solids:	51%
Theoretical Coverage:	816ft <sup>2</sup> /gal. @ 1 mil DFT
VOC:	<370 g/L
Flash Point:	55°F (Lowest Flashing Component)
Dry Film Thickness:	2-3 mils DFT as a Primer 3-5 mils DFT as a DTM

Wet Film Thickness:	4-6 mils WFT as a Primer 6-10 mils WFT as a DTM
Dry-time:	<b>Normal</b>
To Touch:	30 Minutes
Tack Free:	2 Hours
To Recoat:	1-2 Hours
To Topcoat:	1-2 Hours
To Handle:	2-3 Hours
Put in Service:	12 Hours
Shelf Life:	2 Years Minimum
Finish:	Eggshell
Color:	Gray
Packaging:	5 Gallon Pails
Storage Temperature:	20°F - 110°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 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-SP2 or SSPC-SP3 may be used and will provide good results.

**Galvanized Steel:** Contact a Highland representative as recommendation will vary depending on substrate and exposure conditions.

### Mixing & Application

**Mixing:** Highland 802 Series needs to be thoroughly mixed using mechanical agitation. It is ready to spray after proper mixing.

**Reduction:** Reduction is not required, if desired, reduce by 0% - 10% with Highland 100 or 120 reducer.

Highland 802 Series is designed for spray application. To ensure optimal performance, apply according to recommendations below.

**Airless Gun:** Graco 205-591  
**Pump:** 30:1/45:1/60:1  
**Tip Range:** 3.011 – 4.015  
**Pump Pressure:** 1,800 Minimum  
**Hose:** 3/8 inch ID  
  
**Brush or Roller:** Touch Up Only

**Conventional Gun:** DeVilbiss MBC-510  
**Fluid Tip:** E  
**Air Cap:** 704  
**Atomizing Pressure:** 60 psi  
**Pot Pressure:** 15-20 psi  
**Hose:** 3/8 inch

**Clean Up:** Highland #901 Cleaning Solvent

## Typical Systems

### DTM Applications

Apply 1-2 coats of 802 Series to achieve 3-5 mils TDFT

### Primer/Topcoat Applications:

Apply 1 coat of 802 Series at 2-3 mils DFT as a primer then topcoat with one of the following options.

<b>865-LH Series Topcoat</b>	Gloss finish Silicone Copolymer <b>up to 400°F</b>
<b>840-G Series Topcoat</b>	Dry-Fall gloss finish Silicone Copolymer <b>up to 400°F</b>
<b>815 Series Topcoat</b>	Eggshell finish Silicone Acrylic <b>up to 500°F</b>
<b>805 Series Topcoat</b>	Flat finish Silicone Coating <b>up to 500°F</b>
<b>899 Series DTM/Topcoat</b>	Flat Finish Silicone Coating <b>up to 500°F</b>

## 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