

815 Series

Acrylic Silicone Copolymer Topcoat



815 Series Hot Spot Eliminator Topcoat is a single package acrylic silicone copolymer topcoat designed to provide excellent color stability and corrosion protection for surfaces up to 500°F for all standard and custom colors. Highland Hot Spot Eliminator topcoat provides long lasting color retention when used on Ductwork, KO boxes, or any other areas that see temperatures up to 500°F. It will provide dry temperature resistance on surfaces up to 800°F, providing color stability to 800°F for black, aluminum, and a limited number of gray colors. 815 Series does not require a heat cure.

Tech Specs

Heat Resistance:	500°F Constant w/ Excursions to 800°F
Color Stability:	500°F for Standard & Custom Colors 800°F for Black, Aluminum, and Select Grays
Vehicle Type:	Acrylic 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:	50%
Theoretical Coverage:	802ft ² /gal. @ 1 mil DFT
VOC:	<418 g/L
Flash Point:	65°F (Lowest Flashing Component)

Dry Film Thickness:	2-3 mils DFT
Wet Film Thickness:	4-6 mils WFT
Dry-time:	Normal
To Touch:	15 Minutes
Tack Free:	1 Hour
To Recoat:	1-2 Hours
To Handle:	1-2 Hours
Put in Service:	12 Hours
No Heat Cure Required	
Shelf Life:	2 Years Minimum
Finish:	Eggshell
Color:	Standard & Custom
Packaging:	5 gallon pails
Storage Temperature:	20°F - 110°F

Surface Preparation

All surfaces should be clean, dry and free of all foreign contaminants. Apply over Highland approved primer. Consult Highland technical data sheet for recoat windows on approved primer before application. See typical systems for primer options.

Mixing & Application

Mixing: Highland 815 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 815 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:	2,100 psi 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:	20 psi
Hose:	1/2 inch

Clean Up: Highland #901 Cleaning Solvent

Typical Systems

Highland 815 Series may be applied over a variety of Highland Primers:

860-HF Series Primer	For high temperature areas up to 400°F
47-HF Series Primer	For added corrosion resistance in high temperature areas up to 400°F
802 Series Primer	For high temperature areas up to 500°F (600°F for black, aluminum, and select grays)
827-HB Series Primer	For a high build option in areas up to 500°F (800°F for black, aluminum, and select grays)
15-ZN Series Primer	For cathodic protection in areas up to 500°F (800°F for black, aluminum, and select grays)

A wide range of primers are suitable for use with Highland 815 Series Hot Spot Eliminator. For more options call a Highland representative.

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