860-HF Series

Modified Silicone Copolymer Primer

HiTemp Universal Hotmix Primer is a single package silicone copolymer primer designed for ambient and heat affected zones of HMA plants up to 400˚F, offering superior longevity and protection compared to competitor's products. It offers maximum adhesion and corrosion protection even in limited surface preparation areas, and does not require a heat cure. This user friendly primer is supplied in light yellow or gray to ensure proper coverage and easy hiding when topcoating. Engineered specifically for exterior ductwork, cyclones, baghouses, stacks, Universal HotMix Primer may be used on all areas of your plant from Ambient to 400˚F for premium corrosion protection.

Tech Specs

Heat Resistance:	400˚F Constant w/ Excursions to 500˚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:	50%
Theoretical Coverage:	802ft² /gal. @ 1 mil DFT
VOC:	<392 g/L
Flash Point:	16˚F (Lowest Flashing Component)
Dry Film Thickness:	2-3 mils DFT

Wet Film Thickness:	4-6 mils WFT
Dry-time:	Normal
To Touch:	20 Minutes
Tack Free:	1 Hour
To Topcoat:	Minimum: 1-2 Hours
	Maximum: No Limit
To Handle:	2-3 Hours
Put in Service:	12 Hours
Shelf Life:	2 Years Minimum
Finish:	Flat
Color:	Light Yellow or Gray
Packaging:	5 gallon pails & 55 gallon drums
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-SP6 Commercial Blast will provide good results in most situations.
Good: A SSPC-SP3 Power Tool Cleaning, SSPC-SP2 Hand Tool Cleaning, or waterjetting per SSPC-SP 12 to WJ-4 will provide good results.

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

Mixing & Application

Mixing: Highland 860 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 860 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 – 4.013
Pump Pressure:	1,800 – 3,000 psi to achieve an even fan pattern.
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 860 Series may topcoated with variety of Highland Topcoats:

Apply 1 coat of 860 Series at 2-3 mils DFT as a primer then topcoat with one of the following options.

150C Series Topcoat	For ambient “non-high temperature” areas
150-BR Series Topcoat	For brush & roll applications in ambient “non-high temperature” areas
865 Series Topcoat	For high temperature areas up to 400˚F
815 Series Topcoat	For added color stability in high temperature areas up to 400˚F

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