

350-PR Series

HiTemp Modified Acrylic Primer



HiTemp 350-PR Series is a single package modified acrylic primer designed for ambient and heat affected zones up to 450°F, offering lower voc and superior corrosion protection when compared to competitor products. It offers maximum adhesion, and does not require a heat cure. This user friendly primer is supplied in red oxide or light gray to ensure easy hiding when topcoating. Engineered specifically for industrial use, Highland 350-PR Series may be used on any service area ranging from Ambient to 450°F for premium corrosion protection.

Tech Specs

Heat Resistance:	450°F Constant
Vehicle Type:	Modified Acrylic
Reducer:	Not Normally Required
	If desired: Water
Mix Ratio:	Single Package
Pot Life:	N/A
Volume Solids:	36% ± 2%
Theoretical Coverage:	577ft ² /gal. @ 1 mil DFT
VOC:	<174 g/L
Flash Point:	None
Dry Film Thickness:	1-2 mils DFT
Wet Film Thickness:	2.8-5.6 mils WFT

Dry-time:	Normal
To Touch:	1 Hour
To Topcoat:	2 Hours
Shelf Life:	1 Year Minimum
Finish:	Flat
Color:	Light Gray or Red Oxide
Packaging:	1 & 5 gallon pails
Storage Temperature:	35°F - 110°F
Application Temp:	
Ambient:	50°F Minimum
Substrate:	50°F - 120°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: SSPC-SP5 is preferred as it will result in the highest performance.

Good: A SSPC-SP6 Commercial Blast will provide good results in most situations.

Acceptable: A SSPC-SP3 Power Tool Cleaning, SSPC-SP2 Hand Tool Cleaning, or waterjetting per SSPC-SP 12 to WJ-4 will provide acceptable results.

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

Mixing & Application

Mixing: Highland 350-PR 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 distilled water.

Hot Application: Not recommended for this product line. Contact your Highland representative for alternate hot apply systems.

Highland 350-PR can be applied by brush, airless or conventional spray equipment. To ensure optimal performance, apply according to recommendations below.

Airless Gun: Titan 440 Impact or Equivalent
Pump: 30:1/45:1/60:1
Tip Range: .015 – .019
Pump Pressure: 1,800 – 2,200 psi
Hose: 1/4 inch ID

Brush or Roller: Acceptable
Clean Up: Water

Typical Systems

Apply 1 coat of 350-PR Series at 1-2 mils DFT as a primer then topcoat with 1-2 mils of Highland 350-TC topcoat.

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

Precautions

- CAUTION! Do not take internally.
- Close container after each use.
- **Protect from freezing**
- Read SDS before opening containers.

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