

49 Series

Fast Dry Rust Inhibitive Sanding Primer



49-LH Series is an extremely fast drying Acrylic Phenolic rust inhibitive primer specifically designed for OEM applications where speedy topcoating, handling and sanding is needed. Its complex system of rust inhibitors assures excellent corrosion protection even in rugged industrial or atmospheric conditions.

Tech Specs

Heat Resistance:	For Ambient Services Only
Vehicle Type:	Phenolic Modified Acrylic
Reducer:	Not Normally Required
If desired:	Highland #49 Reducer
Mix Ratio:	Single Package
Pot Life:	N/A
Volume Solids:	43%
Theoretical Coverage:	689ft ² /gal. @ 1 mil DFT
VOC:	<419 g/L (3.5 lbs/gallon)
Flash Point:	-4°F (Lowest Flashing Component)
Dry Film Thickness:	2-3 mils DFT
Wet Film Thickness:	4.7-7 mils WFT

Dry-time:	Normal
To Touch:	15 Minutes
Tack Free:	45 Minutes
To Recoat:	30 Minutes
	Maximum – No limit
To Handle:	1-2 Hours
Put in Service:	6-10 Hours
Shelf Life:	2 Years Minimum
Finish:	Flat
Color:	Off White
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/NACE 3 Commercial Cleaning is recommended for maximum coating performance and longevity.

Good: A SSPC-SP3 or SSPC-SP2 Power Tool or Hand Tool Cleaning provides good results. Also, water jetting in accordance with SSPC-SP12 is acceptable.

Galvanized Steel or Aluminum:

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

Mixing & Application

Mixing: Highland 49 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 #49 reducer.

Highland 49 Series is designed for spray application. To ensure optimal performance, apply according to the following recommendations.

Airless

Gun: Graco 205-591 (or equivalent)

Pressure: Apply at 1800psi minimum to achieve an even fan pattern.

Tip sizes: 3.011-4.015

Airless Pumps: 30:1, 45:1, 60:1

Hose: 3/8 inch ID

Brush or Roller: Touch up only – Requires reduction with Highland #105 Brush & Roll Reducer.

Conventional

Gun: DeVilbiss MBC-510 (or equivalent)

Fluid Tip: E

Air Cap: 704

Atomizing Pressure: 60 psi

Pot Pressure: 15-20 psi

Hose: 3/8 inch ID

Clean Up: Clean all equipment with Highland #901 Cleaning Solvent

Typical Systems

Highland 49 Series may topcoated with variety of Highland Topcoats:

Apply 1 coat of 26 Series at 2-3 mils DFT as a primer then topcoat with one of the following options.

37-LH Series	Gloss Acrylic Topcoat
150 Series	Gloss Alkyd Enamel Topcoat
865-LH Series	Gloss Silicone Alkyd Topcoat
36-HF Series	Ultra-High Gloss Urethane Topcoat
65-R Series	Gloss Acrylic Topcoat

Highland 26 Series may be topcoated with a wide variety of topcoats. For more options please call your 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