



# Highland International, Inc.

## Engineered Paint Systems

49-LH Series

### "Fast Dry" Rust Inhibitive Sanding Primer (Low HAPs) 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.

<b>Vehicle Type:</b>	Acrylic Phenolic
<b>Pigmentation:</b>	Zinc Phosphate (Lead & Chromate Free)
<b>Reducers:</b>	Not Normally Required
<b>Mix Ratio:</b>	Single Package
<b>Pot Life:</b>	Not Applicable
<b>Volume Solids:</b>	43%
<b>Theoretical Coverage:</b>	688 ft <sup>2</sup> /gallon @ 1 mil DFT
<b>VOC:</b>	3.5 lbs/gallon (419 g/L)
<b>Flash Point:</b>	-4° (Lowest Flashing Component)
<b>Recommended DFT:</b>	2-3 mils

#### Dry-time:

<b>To Touch</b>	15 Minutes
<b>Tack Free:</b>	45 Minutes
<b>To Topcoat:</b>	Min. 30 Minutes, Max - No Limit
<b>To Handle:</b>	1-2 Hours
<b>Put In Service:</b>	6-10 Hours

<b>Shelf Life:</b>	1 Year Minimum
<b>Finish:</b>	Flat
<b>Color:</b>	Off-White or Selected Range

#### Surface Preparation

1) Commercial Blast SSPC-SP6 is recommended for steel when practical. Where blast cleaning is not practical, SSPC-SP3 Power Tool or SSPC-SP2 Wire Brushing is acceptable and provides excellent results. Also, Water Jetting in accordance with SSPC-SP12 is acceptable. Etch aluminum or galvanized surfaced prior to priming.

2) All surfaces to be painted should be dry and free of all foreign contaminants.

#### Mixing Instructions and Application Requirements

1. Stir thoroughly prior to use
2. Apply at a rate of 229 to 344 square feet per gallon to obtain the recommended film thickness.

#### Typical Systems

Topcoat with Highland #26 Series, #36 Series, #37 Series, #64 Series, #150 Series or #65R Series topcoats.

#### Method of Application

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

<b>Airless Gun:</b>	Graco 205-591
Pump:	30:1/45:1/60:1, Gas Pump
Acceptable	
Tip Range:	3.011 – 4.015
Pump Pressure:	1800 psi minimum
Hose:	3/8 inch ID

<b>Brush or Roller:</b>	Brush may be used for touch-up
<b>Clean Up:</b>	Clean all equipment with Lacquer Thinner

#### Safety Precautions

- 1) Use normal precautions such as gloves, facemasks and barrier creams.
- 2) Adequate ventilation must be maintained. In confined areas, workmen must wear constant flow airline respirators.
- 3) If product comes into contact with skin, wash thoroughly with lukewarm water or diluted Boric Acid, and obtain immediate medical attention.
- 4) This product contains **FLAMMABLE** materials. Keep away from sparks and open flames. Observe **NO SMOKING** regulations.
- 5) All electrical equipment and installations should conform to NEC regulations. In areas where explosion hazards exist, workmen should be required to use non-ferrous tools, and to wear conductive, non sparking shoes.
- 6) Observe low flash regulations.
- 7) Refer to Material Safety Data Sheet (MSDS) for complete safety instructions.

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