

# 66 Series

## Polyester Acrylic Polyurethane Topcoat



Highland 66 Series is a rugged 2K Polyurethane Topcoat specifically formulated for heavy duty transportation equipment, paving equipment, airport ground support equipment, railcars, shipping containers, etc., where UV protection, durability, repairability, abrasion/impact/chemical resistance, and cleanability are required. Combining the latest technologies from industrial maintenance, automotive, aerospace, and marine applications, Highland 66 Series is easy to apply, easy to repair system that is both OEM and aftermarket user friendly. Low HAPs, <350 g/L, available in standard and custom colors.

### Tech Specs

<b>Heat Resistance:</b>	<250F Dry Service	<b>Wet Film Thickness:</b>	8-12 mils WFT
<b>Vehicle Type:</b>	Polyester Acrylic Polyurethane	<b>Dry-time:</b>	<b>Normal</b>
<b>Reducer:</b>	Not Normally Required	<b>To Touch:</b>	30 Minutes
<b>If desired:</b>	Highland #66 Reducer	<b>Tack Free:</b>	1 Hour
<b>Mix Ratio:</b>	1:1 Base to Activator	<b>To Recoat:</b>	15 minutes - 24 hours
<b>Base:</b>	66-HG-####	<b>Dry Thru:</b>	4 hours
<b>Activator:</b>	66-AHG-100	<b>Light Service:</b>	24 hours
<b>Pot Life:</b>	4 Hours @ 77°F (Decreases in higher temperatures)	<b>Full Cure:</b>	5 days
<b>Volume Solids:</b>	50 +/-2%	<b>Shelf Life:</b>	2 Years Minimum
<b>Theoretical Coverage:</b>	802ft <sup>2</sup> /gal. @ 1 mil DFT	<b>Finish:</b>	Ultra High Gloss, Semi-Gloss, High Sheen Satin
<b>VOC:</b>	<350 g/L	<b>Color:</b>	Standard & Custom
<b>Flash Point:</b>	64°F (Lowest Flashing Component)	<b>Packaging:</b>	2 Gallon Kits & 10 Gallon Kits
<b>Dry Film Thickness:</b>	4-6 mils DFT	<b>Storage Temperature:</b>	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 to achieve a 1 mil maximum profile is recommended for maximum coating performance and longevity.

**Good:** A SSPC-SP3 or SSPC-SP2 Power Tool or Hand Tool Cleaning to achieve a 1 mil maximum profile provides good results.

#### Galvanized Steel:

**Old Galvanized:** Pressure wash or sweep blast to remove salts.

**New Galvanized** A SSPC-SP3 Power Tool, SSPC-SP2 Hand Tool Cleaning, or SSPC-SP6 Commercial Blast to achieve a 1 mil maximum profile.

**Aluminum:** Lightly Sand/Scotch-Brite to ensure "water-break free" surface.

## Mixing & Application

**Mixing:** Highland 66 Series needs to be thoroughly mixed using mechanical agitation. Mix entire contents of Part "A" Activator (66-AHG-100) with Part "B" Base (66-HG-####) (1:1 by volume). Allow a 5 minute induction period before application or reduction.

**Reduction:** Reduction is not required, if desired, reduce by 0% - 20% with Highland #66 reducer. Do not exceed 20% reduction. Highland 66 Series is designed for spray application. To ensure optimal performance, apply according to recommendations below.

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<b>Airless Gun:</b>	Graco 205-591	<b>Conventional Gun:</b>	DeVilbiss MBC-510
<b>Pump:</b>	30:1/45:1/60:1	<b>Fluid Tip:</b>	E
<b>Tip Range:</b>	3.011 – 5.013	<b>Air Cap:</b>	704
<b>Pump Pressure:</b>	1,800 psi Minimum	<b>Atomizing Pressure:</b>	60 psi
<b>Hose:</b>	3/8 inch ID	<b>Pot Pressure:</b>	15-20 psi
		<b>Hose:</b>	1/2 inch
<b>Brush or Roller:</b>	Touch up only – Requires reduction with Highland #105 Brush & Roll Reducer.	<b>Clean Up:</b>	Highland #901 Cleaning Solvent

## Typical Systems

Apply 1-2 coats of 66 Series at 4-6 mils DFT over an approved of Highland primer.

77 Series Epoxy OEM (preferred)	High solids, fast dry, extended recoat, for OEM and aftermarket applications
97 Series Epoxy Mastic	High solids option with fantastic corrosion protection
26 Series Primer Sealer	For a fast-dry option
35-S Series Sanding Primer	Provides great corrosion protection
84-LH Series Primer	For great corrosion protection and longevity
475R Series Primer	For added corrosion resistance

A wide range of primers are suitable for use with Highland 66 Series Topcoat. 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