

# 36 Series

## HiShield Aliphatic Acrylic Urethane Topcoat



HiShield 36 Series is a two-component polyurethane enamel specifically designed to meet low VOC requirements. Its deep automotive wet look exceeds conventional polyurethane enamels as it maintains its wet look, durability and film flexibility for years. HiShield 36 also provides outstanding coverage rates. These qualities make it the product of choice for the transportation industry as well as high performance maintenance painting.

### Tech Specs

<b>Heat Resistance:</b>	For Ambient Services Only
<b>Vehicle Type:</b>	Aliphatic Acrylic Urethane
<b>Reducer:</b>	Not Normally Required
In summer if desired:	Highland #64 Reducer
In winter if desired:	Highland #26 Reducer
<b>Mix Ratio:</b>	3:1 Base to Activator
<b>Pot Life:</b>	3 Hours @ 77°F (Decreases in higher temperatures)
<b>Volume Solids:</b>	55%
<b>Theoretical Coverage:</b>	882ft <sup>2</sup> /gal. @ 1 mil DFT
<b>VOC:</b>	<400 g/L
<b>Flash Point:</b>	65°F (Lowest Flashing Component)
<b>Dry Film Thickness:</b>	2-3 mils DFT

<b>Wet Film Thickness:</b>	3.6-5.5 mils WFT
<b>Dry-time:</b>	<b>Normal</b>
To Touch:	15 Minutes
Tack Free:	1 Hour
To Recoat:	30 Minutes
To Tape:	4 Hours with Accelerator
To Decal:	10-12 Hours
Full Cure:	5 Days
<b>Shelf Life:</b>	2 Years Minimum
<b>Finish:</b>	High Gloss of 95+
<b>Color:</b>	Standard & Custom
<b>Packaging:</b>	4 Gallon Kits
<b>Storage Temperature:</b>	20°F - 110°F

### Surface Preparation

All surfaces should be clean, dry and free of all foreign contaminants. Apply over Highland approved primer. Consult Highland technical data sheet for recoat windows on approved primer before application. See typical systems for primer options.

### Mixing & Application

**Mixing:** Highland 36 Series needs to be thoroughly mixed using mechanical agitation. Mix entire contents of Part "A" Activator with Part "B" Base (3:1 by volume). No induction period is required - product is ready to spray after proper mixing.  
**Reduction:** Reduction is not required, if desired reduce by 0% - 10% with Highland #26 or #64 reducer.

Highland 36 Series is designed for spray application. To ensure optimal performance, apply according to recommendations below.

<b>Airless Gun:</b>	Graco 205-591
<b>Pump:</b>	30:1/45:1/60:1
<b>Tip Range:</b>	3.011 – 5.015
<b>Pump Pressure:</b>	1,800 psi Minimum
<b>Hose:</b>	3/8 inch ID
<b>Brush or Roller:</b>	Both are acceptable for touch up. For complete projects use the 36BR formula.

<b>Conventional Gun:</b>	DeVilbiss MBC-510
<b>Fluid Tip:</b>	E
<b>Air Cap:</b>	704
<b>Atomizing Pressure:</b>	60 psi
<b>Pot Pressure:</b>	15-20 psi
<b>Hose:</b>	3/8 inch
<b>Clean Up:</b>	Highland #901 Cleaning Solvent

## Typical Systems

Highland 36 Series may be applied over a variety of Highland Primers:

97 Series Epoxy Mastic	High solids option with fantastic corrosion protection
26 Series Primer	For a fast-dry option
35-S Series Sanding Primer	Provides great corrosion protection
84-LH Series Primer	For great corrosion protection and longevity
860-HF Series Primer	Coatings are compatible
830 Series Primer	Coatings are compatible
475R Series Primer	For added corrosion resistance

A wide range of primers are suitable for use with Highland 150 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

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