

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

Heat Resistance:	For Ambient Services Only
Vehicle Type:	Aliphatic Acrylic Urethane
Reducer:	Not Normally Required
In summer if desired:	Highland #64 Reducer
In winter if desired:	Highland #26 Reducer
Mix Ratio:	3:1 Base to Activator
Base:	36-HF--####
Activator:	36-AHF-100
Pot Life:	3 Hours @ 77°F (Decreases in higher temperatures)
Volume Solids:	55%
Theoretical Coverage:	882ft ² /gal. @ 1 mil DFT
VOC:	<400 g/L
Flash Point:	65°F (Lowest Flashing Component)
Dry Film Thickness:	2-3 mils DFT
Wet Film Thickness:	3.6-5.5 mils WFT

Dry-time:	Normal
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
Shelf Life:	2 Years Minimum
Finish:	High Gloss of 95+
Color:	Standard & Custom
Packaging:	4 Gallon Kits
Storage Temperature:	20°F - 110°F
Application Temperature:	
Ambient:	45°F Minimum
Substrate:	40°F - 100°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, #49 or #64 reducer.

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

Airless Gun: Graco 205-591
Pump: 30:1/45:1/60:1
Tip Range: 3.011 – 5.015
Pump Pressure: 1,800 psi Minimum
Hose: 3/8 inch ID

Brush or Roller: Both are acceptable for touch up.
For complete projects use the 36BR formula.

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

Clean Up: 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 36 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

The technical data listed herein has been compiled for your convenience and guidelines are based upon our experience and knowledge. However, since we have no control over the use of this information or this product, no warranty expressed or implied is intended or given. Highland assumes no responsibility whatsoever for coverage, performance or any other damage, including injuries from use of this information or products recommended herein.