



Highland International, Inc.



Technical Data Sheet

36-HF Series High Solids Polyester Acrylic Urethane Topcoat (HAPS Free)

36-HF Series is a two component polyester acrylic urethane topcoat specifically designed to meet low V.O.C. requirements. Its automotive wet look exceeds conventional acrylic urethane topcoats as it maintains its appearance, chemical resistance and film flexibility for years. 36-HF Series provides outstanding coverage rates. These qualities make it the product of choice for high performance maintenance painting.

Vehicle Type:	Aliphatic Polyester Acrylic Urethane	Dry-Time:	Normal Application	Hot Application
Pigmentation:	Varies with color. Lead & Chromate free	To Touch	15 Minutes	N/A
Reducers for:	Not normally required	Tack Free	1 Hour	N/A
In Summer if desired:	#64 Reducer	To Recoat	30 Minutes	N/A
In Winter if desired:	#50 Cold Weather Reducer	To Tape	8 Hours	N/A
Mixing Ratio:	3:1 (3 parts base to 1 part activator)	To Decal	4-6 Hours	N/A
Pot Life:	3 Hours @ 77°F (Decreases at higher temps)	V.O.C.:	3.3 lbs. per gallon (400 grams/liter)	
Volume Solids:	55% +/-	Shelf Life:	1 Year Minimum	
Theoretical Coverage:	880 Sq. Ft. per mil per gallon	Finish:	High Gloss of 95 plus	
Flash Point:	61°F (lowest flashing component)	Color:	Selected Range	
Recommended DFT:	2-3 mils	Weight:	Varies with color	
		Cure Time:	Full cure in 5 days	

Preparation: All surfaces should be dry and free of all contaminants. Apply over #84 Structural Primer, #475C Dry-Fall Epoxy Primer, or #77 HiGrip epoxy primer.

Application Requirements: **1)** Stir base thoroughly prior to use. **2)** Mix entire contents of part "A" Activator with Part "B" Base (3 to 1 by volume) **3)** There is no induction period, product may be sprayed immediately. **4)** Reducer is not needed; however, if desired, use #50 Cold Weather Reducer or #64 Reducer depending on the air temperature. **5)** Entire mixture should be strained prior to use. **6)** Apply at a rate of 293 to 440 square feet per gallon to obtain the recommended film thickness.

Method of Application:

Conventional Spray

Airless Spray:

Gun:	DeVilbiss MBC-510	Gun:	Graco 205-591
Fluid Tip:	E	Pump:	30:1
Air Cap:	704	Tip Range:	3.011 - 4.015 @ 1800 psi minimum
Atomizing Pressure:	60 psi	Hose:	3/8 inch ID
Pot Pressure:	15-20 psi		
Hose:	1/2 inch ID		
Brush or Roller:	Not Recommended (except for touch-up).		
Clean Up:	Clean all equipment with lacquer thinner.		

Safety Precautions: **(a)** Use normal precautions such as gloves, facemasks, and barrier creams. **(b)** Adequate ventilation must be maintained. In confined areas, workmen must wear constant flow airline respirators. **(c)** If product comes into contact with skin, wash thoroughly with lukewarm water or diluted Boric Acid, and obtain immediate medical attention. **(d)** This product contains **FLAMMABLE** materials. Keep away from sparks and open flames. Observe **NO SMOKING** regulations. **(e)** 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. **(f)** Observe low flash regulations. **(g)** Refer to Material Safety Data Sheet (MSDS) for complete safety instructions.

The technical data listed herein has been compiled for your convenience and guidelines, and is based upon our experience and knowledge. However, since we have no control over the use of this information, or this product, no warranty, express 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 of products recommended herein.

P. O. Box 3564 Boone, NC 28607

800-444-1438

www.highland-international.com