HYPERTHANE 300
HyPerformance Urethane
Acrylic Urethane

DESCRIPTION: A two component acrylic urethane which exhibits exceptional gloss and color retention along with excellent chemical and abrasion resistance. Designed for OEM and industrial refinish applications requiring an economical high-performance topcoat.

PHYSICAL PROPERTIES: Mixed
Weight Solids: 53%-67%
Volume Solids: 50% to 51%
Resin Type: Acrylic Urethane
Gloss: 90 at 60º
Theoretical Coverage: 802-818 square feet at 1.0 mil
Weight per Gallon: 8.2-10.50 pounds
Blended Viscosity: #2 Zahn – 19-26 seconds at 77ºF
EPA VOC: 2.40 – 2.54 pounds per gallon

SURFACE PREPARATION: Product requires a primer for most applications. Please reference primer product sheet for Surface Preparation Requirements.
Recommended primer systems include LF-0250 Mult-E-Prime 500 Epoxy, SLX1402-01 MMP Urethane ,Stratum Ultra R/I Urethane, Hyperprime 2K Ultra R/I Epoxy, or Hyperprime Zinc Rich Epoxy PF-0266.

ACTIVATION: Hyperthane 300 Polyurethane should be mixed 8 parts A to 1 part B IG02-47361 by volume. No sweat in time is necessary. Part A fill level in gallon cans will be full fill gallon.(Unless otherwise specified) This is mixed with a pint of the Part B. The pot life will be approximately 4 hours at 77°F. As temperatures increase, the pot life will decrease.
Mixing Ratio: 8A:to 1B with IG02-47361 by volume
Sweat-In Time: None
Pot Life: 4 hours minimum at 77ºF

APPLICATION: This urethane can be sprayed with all types of application equipment.
Airless: For airless application reduction may be necessary. Airless tip sizes should be in the .011 to .015 range. Adjust pressures accordingly for best atomization and transfer efficiencies. Air-assist airless pressures will be in the 800 to 1000 pound range for fluid and 30 to 50 pound range for atomizing air.
Conventional Air: For conventional air and electrostatic spray some reduction may be necessary. Use MAK or low VOC or exempt reducer for reducing purposes. Pressures are dependent upon the type of gun and fluid nozzle, but typically will be in the 45 to 60 pound range for proper atomization. Pot pressure between 10-25 psi..
In-Line Heat: In-line heat may be utilized up to 100°F to improve application. Caution must be exercised to turn heat down during breaks and shut downs to avoid locking up the paint lines due to decrease in pot life.
Dry Film Thickness: For best results, dry film thicknesses should be 1.0 to 2.0 mils above surface profile. This will require wet film thicknesses of about 3.0 to 4.0 mils. Apply in two medium build coats.

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HYPERFORMANCE URETHANE

DRY TIMES: Hyperthane 300 Polyurethane can be accelerated to dry tack free in 2 Hours. Dry to Handle times typically 3-4 Hours. Hyperthane 300 Polyurethane can be recoated at tack free and up to 48 hours. After 48 hours Hyperthane 300 will need to be scuff sanded to ensure inter-coat adhesion. Force drying: 15 to 20 minutes at 160° to 180°F depending on metal thickness and mass. When recoating after force drying, scuff sanding may be required to ensure inter-coat adhesion.

Dry Times / Pot Lives @ 77°F

No Accelerator :	---	---	
Tack Free	---	---	5 Hrs. Pot Life = 3 Hrs
Dry to Handle	---	---	10 Hrs.
Recoat	---	---	2.5 to 3.0 Hrs.
Adding 1 oz./Mixed Gal. of IX09-48936 Accelerator	---		
Tack Free	---		2.5 Hrs. Pot Life = 2.0 Hrs
Dry to Handle	---		4-5 Hrs.
Recoat	---		2.0 to 2.5 Hrs.
Adding 2 oz./Mixed Gal. of IX09-48936 Accelerator	---		
Tack Free	---		2.0 Hrs. Pot Life = 1/2 to 3/4 Hr.
Dry to Handle	---		3-4 Hrs.
Recoat	---		1.5 to 2.0 Hrs.

CLEAN UP: Use butyl acetate or ketones or exempt reducer to flush application lines and equipment. The pot life will be approximately 4 hours at 77°F. At higher temperatures, pot life will diminish.

PERFORMANCE: Performance Testing available upon request.

SAFETY PRECAUTIONS: Contains aliphatic polymeric isocyanate when blended. Avoid contact with skin. Vapor and spray mist harmful. Use proper respiratory protection, including positive air supplied respirators. Refer to SDS for specific information. All information subject to change without notice

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