



AMERICAN COATINGS

1U SERIES ULTRA POLYURETHANE

A PREMIUM ACRYLIC POLYURETHANE
OFFERING SUPERIOR AUTOMOTIVE QUALITY.

GENERAL FEATURES

- HIGH SOLIDS - LOW VOC
- EXCEPTIONAL GLOSS AND D.O.I.
- EXTEREMLY DURABLE AS WELL AS OFFERING EXCELLENT ADHESION AND FLEXIBILITY
- EXCELLENT SOLVENT RESISTANCE.
- GREAT REPAIR PROPERTIES

USES

American 1U Series ULTRA POLYURETHANES are designed to render premium quality finishes for the most discriminating taste. A unique combination of new-age resins make these products the next generation of quality automotive finish coats. Exceptional gloss, D.O.I. and value sets 1U Series apart from all other urethanes on the market.

NOTE: 1U Series may be recoated up to 15 days without sanding. However, good painting practices demand that your paint surfaces be free from dirt, oils, or other foreign matter.

PRODUCTS

1U5000 WHITE	1U5525 SILVER GRAY (G5)
1U5115 BLUE (B7)	1U5600 JET BLACK
1U5250 RED (R4)	1U5999 CLEAR COAT
1U5444 YELLOW (Y12)	1U2009 SILVER MET

CUSTOM COLORS INCLUDING METALLICS
AVAILABLE IN MINIMUM 25 GALLON
QUANTITIES

PHYSICAL DATA

Finish ----- High Gloss
 Color ----- Various
 Applied over properly prepared and primed----- Steel,
 Aluminum, Galvanized surfaces, and polyester
 bodyfillers.
 Components ----- Two
 Cure ----- Catalytic 4:1

Volume Solids ± 2% ----- 50%
 V.O.C. ----- 3.5 #/gal

Recommended Dry Film

Thickness ----- 1 - 2 mils
 Number of Coats ----- One
 Application Method ----- Airless or Conventional

Thinning Required

For Conventional Spray ----- Not Required

Dry Time @ 77°F and 50% RH:

Touch ----- 2 hours
 Recoat ----- 1 hour
 Sand ----- 24 hours

Coverage at 75 % efficiency at

Recommended Thickness----- 600 - 300 sq. ft/gal

Miscellaneous Properties

Shelf Life ----- 1 year
 Pot Life – Mixed @ 77° F----- 4 hours
 Pot Life – Mixed @ 90° F----- 3 hours

SURFACE PREPARATION

ALL SURFACES TO BE TOPCOATED WITH 1U SERIES POLYURETHANE SHOULD BE FIRST PRIMED WITH AMERICAN COATINGS AX SERIES PRIMER. BEFORE APPLICATION OF THE PRIMER WE RECOMMEND THE FOLLOWING:

Prior Painted Surfaces----- Degreased and Sanded
 Galvanized Steel ----- Degreased and Sanded
 Aluminum ----- Degreased and Sand. Wash primers
 or other chemical preparations are not necessary.
 Steel ----- Remove mill scale and other foreign
 matter either by sandblast or other mechanical means.
 Degrease to insure cleanliness.
 Fiberglass and Polyester Bodyfiller ----- Sanded



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1U Series

APPLICATION INFORMATION

The 1U Series, 3.5. VOC Version is supplied at a viscosity of 25 – 35 seconds in a 2 Zahn @ 77F. One of the unique properties of the product is the ability to recoat freshly painted areas. Should touch up be required on a paint film less than an hour old, simply spray over the afflicted area and watch the wet films blend into the existing paint film. When cured, there is virtually no trace of repair, only a smooth, continuous film of exceptional appearance.

APPLICATION METHOD

Almost any method of spray equipment to include conventional air, air assisted, and airless.

MIXING

Thoroughly mix 4 part of color (Part A) with 1 part of 1U Catalyst (Part B), making certain of even distribution of liquids. No reduction should be necessary under normal conditions. Expect 4 hours of workable potlife at 77° F and be aware that useable spray time of mixed paint shortens as ambient temperatures elevate.

CLEAN-UP AND THINNING

Thinning is not normally required but can be done with TH319. Use TH678 ULTRA BLENDING AGENT as a reducer when feathering of a freshly painted surface is required. Clean up can be done using TH315 or TH600.

SPRAY EQUIPMENT

FOR AIRLESS SPRAY

Pump Ratio ----- 30:1
Air Supply (in) ----- 100 psi
Hose Diameter (ID) ----- 1/4"
Hose Length ----- 75'
Tip Size ----- .011 - .015
Atomization Pressure ----- 2,400

FOR CONVENTIONAL SPRAY

Spray Pot Having Dual Regulated Air Gauges for Pot Pressure and Atomization Air

Air Supply (in) ----- 100 psi
Material Hose (ID) ----- 1/2"
Material Hose Length ----- 25 - 50
Air Hose (ID) ----- 5/16"
Fluid Pressure (psi) ----- 10 - 15 psi
Fluid Tip Orifice Size (in) ----- .050 - .060 in.

SAFETY INFORMATION

WARNING! FLAMMABLE, HARMFUL IF INHALED, CAUSES IRRITATION

Keep away from sparks or flame. Contains polyisocyanate catalyst, acetate, ketone and aromatic solvents.

INDIVIDUALS WITH LUNG OR BREATHING PROBLEMS OR PRIOR REACTION TO ISOCYANATES MUST NOT BE EXPOSED TO VAPOR OR SPRAY MIST.

Do not breathe vapor or spray mist. Wear an appropriate, properly fitted respirator approved by NIOSH/MSHA while exposed. An airline respirator (TC 19C NIOSH/MSHA) is recommended. A vapor/particulate respirator (TC 23C NIOSH/MSHA) may be appropriate where airborne monitoring demonstrates vapor levels below ten times the applicable exposure limits. Follow directions for respirator use. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. Keep away from heat, sparks, and flame. Use only with adequate ventilation.

FIRST AID: If affected by inhalation of vapor or spray mist, remove to fresh air. If breathing difficulty persists or occurs later, consult a physician and have label information available. In case of eye contact, flush immediately with plenty of water for at least 15 minutes and call a physician; for skin, wash thoroughly with soap and water. Keep container closed when not in use. In case of spillage, absorb with inert material and dispose of in accordance with applicable regulations.

NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. The contents of this package must be blended with other components before the product can be used. Any mixture of components will have hazards of both components. Before opening the packages, read all warning labels.

Follow all precautions.

SHIPPING DATA

Proper Shipping Name ----- Paint Liquid
Hazard Class----- Flammable Liquid

Flash Pt. °F SETA -----81° F Part A
102° F Part B

UN No.----- 1263

PACKAGING

<u>Approx. Shipping Wt.</u>	<u>PART A</u>	<u>PART B</u>
Ones:	9 lbs.	Qts. 2.5 lbs.
Fives:	44 lbs.	Ones 9.5 lbs.



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DISCLAIMER

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