

**PRODUCT DESCRIPTION**

**Polyur UP series** is two component high-performance and high gloss aliphatic acrylic polyurethane. It provides outstanding gloss and color retention and provides excellent chemical, abrasion and impact resistance.

**PRODUCT FEATURES**

- Excellent drying time
- Remarkable gloss and color retention
- Excellent abrasion and impact resistance
- Excellent weathering and U.V. resistance
- Excellent chemical resistance
- Heat resistant up to 80°C (176°F)
- **A library of Industrial and Automotive colors available**
- **An Intermix set-up available for both solid and metallic colors**
- **Color matching service is available to support your needs**

**TYPICAL USES**

- Original Equipment Manufacturers
- Heavy duty equipment
- Tanks, pumps, transformers
- Mobile and agricultural equipment
- Storage tanks and reservoirs
- Steel structures

**TECHNICAL DATA**

<b>Colors available:</b>	Available in several colors	<b>Drying times:</b>	
<b>Gloss:</b>	90° +	<b>Dust Free:</b>	1 ½ - 2 hours
<b>* Solids by volume:</b>	53 % +/- 2 %	<b>To recoat:</b>	4 – 6 hours
<b>* Solids by Weight:</b>	68 % +/- 2 %	<b>Hard:</b>	8 hours
<b>Theoretical Coverage of 1 mil:</b>	861 ft <sup>2</sup> / U.S gallon	<b>Pot Life:</b>	8 hours
<b>D.F.T. at 25 microns:</b>	80 m <sup>2</sup> / 3.78 liters	<b>Reduction solvent:</b>	UC – 500 Regular UC – 502 Slow 101629 (VOC free thinner)
<b>Recommended D.F.T.      mils:</b>	1.5 – 2.0	<b>Dilution:</b>	10 – 15 % by volume
<b>Dry film thickness      microns:</b>	37.5 – 50.0	<b>Catalyst:</b>	720-903
<b>Viscosity:</b>	70 ku +/- 5	<b>Ratio:</b>	3:1
<b>*Specific gravity</b>	1.29 – 1.35 kg/lit	<b>Shelf life:</b>	12 months @ 25°C unopened
<b>Flash Point:</b>	- 6°C (21.2°F)	<b>Packaging:</b>	2.84 liters (0.75 US gallon)
<b>V.O.C.:</b>	413 grams/liter 3.45 lbs / US gal.		
<b>* Data may vary according to colors</b>			

Keep in cool and dry area

## APPLICATION GUIDE

### SURFACE PREPARATION

Prior to surface preparation, remove all detrimental foreign matter such as oil, grease, dirt, soil, salts, and moisture. Round off rough welds and sharp edges and remove weld spatter. After surface preparation, vacuum or remove dust and ensure that the surface remains clean before painting.

### MIXING AND THINNING

First, power mix the base portion until it becomes homogenous. Secondly, add the hardener slowly with continued agitation until the two components are homogeneously mixed together. Thinning up to 15% with UC-500 or UC-502 for factory or shop application or use 101629 for other conditions. After this process, the system is ready for immediate use.

Reduction solvent: UC-500/UC-502/101629      Catalyst: 720-903  
 Dilution: 10-15 % by volume (if necessary)      Mix ratio: 3:1 by volume

### APPLICATION PROCESS

For application in or on the premises of a factory or a shop as part of a manufacturing, processing or repairing activity.

				RECOATING TIME		
Substrate temperature	Catalyst	Dust free	Hard	Minimum	Maximum	Normal
25°C (77°F)	720-903	1 ½ - 2 hours	8 – 10 hours	4 hours	8 hours	6 hours

#### CONVENTIONAL SPRAY

Manual Spray gun:	DeVilbiss JGA-510, MBC-510 or equivalent
Fluid Nozzle:	E Fluid Tip
Air Cap:	704 or 765
Atomizing Air:	40 – 60 psi
Fluid Pressure:	15 – 20 lbs
Hose:	½ inch, 50 ft length maximum

### SPECIAL INSTRUCTIONS & PRODUCT LIMITATIONS

- Not to be applied when temperature is below 10° C (55°F).
- Shelf life: 12 months @ 25°C (77°F) unopened.

**See the material safety data sheet and product label for complete safety and precaution requirements.**

**DISCLAIMER:**

"The following is made in lieu of all warranties, expressed or implied: Manufacturer's obligation shall be to replace such quantity of the product proven to be defective. The manufacturer shall not be liable for any injury, loss or damage, direct or incidental or consequential, arising out of the use of or the inability to use the product. Before using, the user shall determine the suitability of the product for the intended use and the user assumes all risk and liability whatsoever in connection therewith. All values shown are approximations. Values indicated are for guide purposes only, as actual values can change due to application conditions, application methods, environmental conditions etc. The information contained herein is subject to change without notice. Consult your representative for a current data sheet. The foregoing may not be altered except by an agreement signed by the officers of the manufacturer."