

PRODUCT DESCRIPTION

Polyur 8000 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
- Outstanding 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)
- **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
- Trucks, railcars, and locomotives (transportation)
- Heavy duty equipment
- Tanks, pumps, transformers
- Equipment in mining and offshore environments
- Mobile and agricultural equipment
- Steel Structures, Storage tanks, and reservoirs
- Advanced Corrosion protection for installations in high-salinity coastal areas.
- Rated for applications in C5 and CX environments

TECHNICAL DATA

Colors available:	Available in several colors	Drying times:	
Gloss:	90° +	Dust Free:	1 ½ - 2 hours
* Solids by volume:	53 % +/- 2 %	To recoat:	4 – 6 hours
* Solids by Weight:	68 % +/- 2 %	Hard:	8 hours
Theoretical Coverage of 1 mil:	861 ft² / U.S gallon	Pot Life:	8 hours
D.F.T. at 25 microns:	80 m² / 3.78 liters	Reduction solvent:	X-34 / UC-500 Regular/UC-502 Slow 101629 (VOC free thinner)
Recommended D.F.T. mils:	1.5 – 2.0	Dilution:	10 – 15 % by volume
Dry film thickness microns:	37.5 – 50.0	Catalyst:	7550 Regular 7557 Fast 7559 Slow
Viscosity:	70 ku +/- 5	Ratio:	2:1
*Specific gravity	1.29 – 1.35 kg/lit	Shelf life:	12 months @ 25°C unopened
Flash Point:	- 6°C (21.2°F)	Packaging:	3.78 liters (1 US gallon)
V.O.C.:	413 grams/liter 3.45 lbs / US gal.		
* Data may vary according to colors			

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: 7550/7557/7559
 Dilution: 10-15 % by volume (if necessary) Mix ratio: 2/1 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)	7550	1 - 2 hours	8 – 10 hours	4 hours	8 hours	6 hours
25°C (77°F)	7557	45 minutes	4 – 6 hours	N / A	N / A	N / A
25°C (77°F)	7559	2 – 5 hours	10 – 12 hours	5 hours	9 hours	7 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."