

PRODUCT DESCRIPTION

Polyur 346 series is solvent based multi-purpose two component high gloss aliphatic polyurethane. Suitable for areas and structural surfaces that maximum gloss and color retention are required. This product can be applied directly over steel, galvanized and sanded aluminum (DTM). For optimum corrosion resistance, use over an approved primer.

PRODUCT FEATURES

- Excellent drying time
- Excellent gloss and color retention
- Excellent weathering and U.V. resistance
- Excellent chemical resistance

TYPICAL USES

- Metal, piping, conveyors, pumps, machinery
- Steel structure
- Farm equipment
- Silos
- Exterior pipe

TECHNICAL DATA

Colors available:	Available in several colors	<u>Drying times (25°C/77°F)::</u>	
Gloss:	80° +	Dust Free:	15 minutes
* Solids by volume:	46 % +/- 2 %	To recoat:	30 minutes
* Solids by Weight:	60 % +/- 2 %	Hard:	8 hours
Theoretical Coverage of 1 mil:	741 ft ² / U.S gallon	Pot Life:	4 hours
D.F.T. at 25 microns:	68 m ² / 3.78 liters	Reduction solvent:	UC-500 Regular UC-502 Slow
Recommended D.F.T. mils:	1.5 – 3.0	Dilution:	10 % by volume (if necessary)
Dry film thickness microns:	37.5 – 75.0	Catalyst:	915637 regular 915672 slow 915691 fast 915695 super-fast
Viscosity:	55 - 60 ku	Ratio:	4:1
*Specific gravity	1.17 – 1.23 kg/lit	Shelf life:	12 months @ 25°C unopened
Flash Point:	-1°C (30°F)	Packaging:	3.02 liters (0.80 US quarts) 15.14 liters (4 U.S gallons)
V.O.C.:	476 grams/liter 3.97 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, salts, and dirt in accordance with SSPC-SP-1 "solvent cleaning".

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. After this process, the system is ready for immediate use.

Reduction solvent: UC-500/UC-502 Catalyst: 915637/915672/915691/915695

Dilution: 10 % by volume (if necessary) Mix ratio: 4:1 by volume

Pot Life with 915691 is 2h00 and the pot life with 915695 is 45 minutes.

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
25°C (77°F)	915637	15 minutes	8 hours	30 minutes	8 hours

Note: After 8 hours, sand using 320 grit.

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 (50°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."