

**PRODUCT DESCRIPTION**

**Polyur 500 series** is a two-component, Multi-Purpose high build Polyamide epoxy. It is a non-sanding epoxy which provides a smooth finish.

**PRODUCT FEATURES**

- Excellent anti-corrosive and sanding properties
- Good adhesion
- Can be used in immersion
- Good flexibility
- Good chemical resistance
- High film build, 10 – 12 mils (250–300 microns) (wet one coat)

**TYPICAL USES**

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

**TECHNICAL DATA**

**Colors available:** 501 Red 555 Yellow  
552 Grey 559 Black  
553 White 582 Clear base

**Gloss:** 60° - 80°

**\* Solids by volume:** 50 % +/- 2 %

**\* Solids by Weight:** 72 % +/- 2 %

**Theoretical Coverage of 1 mil:** 802ft<sup>2</sup>/ U.S. gallon

**D.F.T. at 25 microns:** 75m<sup>2</sup>/3.78liters

**Recommended D.F.T. mils:** 2.0- 4.0

**Dry film thickness micron:** 50 - 100

**Viscosity:** 90 ku +/-5

**\*Specific gravity** 1.45 - 1.61 kg/lit

**Flash Point:** 16°C (60.8°F)

**V.O.C.:** 454 grams/liter 3.78 lbs / US gal.

\* Data may vary according to colors

**Drying times:**

**Dust Free:** 1 -1 1/2 hours

**To recoat:** 3 hours

**Hard:** 8 hours

**Reduction solvent:** 6211

**Dilution:** 15 -25 % by volume

**Induction time:** No induction time with 6152 and 6153

30 minutes with 6149 and 6150

**Catalyst:** 6149 and 6152 regular

6150 and 6153 fast

**Ratio:** 3:1

**Pot Life:** 8 hours

**Packaging:** 2.84 liters (3 U.S. quarts)

11.36 liters (3 US gallons)

582 Clear base : (2.37L & 9.48L)

**Shelf life:** 24 months @ 25°C (77°F)

unopened

Keep in cool and dry area

## APPLICATION GUIDE

### SURFACE PREPARATION

Use one of the following recommendations:

- 1) Prepare surface in accordance with SSPC –SP – 1 (solvent cleaning)
- 2) Prepare surface in accordance with SSPC –SP – 5 (white metal blast cleaning) for immersion
- 3) Prepare surface in accordance with SSPC –SP – 6 (commercial blast cleaning) for better chemical resistance
- 4) Direct to metal coatings achieve maximum performance over near white blasted surfaces in accordance with SSPC –SP – 10

Note: Polyur top coat should be applied over this epoxy for any outdoor use.

### MIXING AND THINNING

To obtain a smooth homogenous product, both part A and part B should be mechanically mixed together.

Use with catalyst: 6152 regular or 6153 fast Induction time: 0 minutes

Use with catalyst: 6149 regular or 6150 fast Induction time: 30 minutes

Mixing ratio: 3:1

Dilute with 6211 epoxy thinner

Air spray : 15 – 25 % reduction      Airless spray: If required      Brush and roller: No reduction necessary

### 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 dry	Hard	Minimum	Maximum**	Normal
23°C (73°F)	6149-6152	1- 1.5 hours	8 hours	3 hours	30 days	12 hours
23°C (73°F)	6150-6153	1 hour	6 hours	2 hours	20 days	2 hours

\* **Should always be free of all contaminants between minimum and maximum recoating time.**

\*\* **Light sanding is required**

CONVENTIONAL SPRAY		AIRLESS SPRAY	
Manual Spray gun:	DeVilbiss JGA-510, MBC-510 or equivalent	Pump Ratio:	30:1
Fluid Nozzle:	E Fluid Tip	Pressure:	1500 – 3000 Psi
Air Cap:	704 or 765	Hose:	¾ inch, 50 ft length maximum
Atomizing Air:	45 – 75 lbs	Tip Size:	0.013 – 0.019
Fluid Pressure:	15 – 20 lbs	Filter Size:	50 Mesh (300 um)
Hose:	½ inch, 50 ft length maximum		

### SPECIAL INSTRUCTIONS & PRODUCT LIMITATIONS

- 30 minutes induction time required for 6149 and 6150
- 0 minute induction time for 6152 and 6153
- Shelf life: 24 months @ 25°C (77°F) unopened
- Temperature and humidity may vary curing conditions

**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."