

PRODUCT DESCRIPTION

Polyur 518 series is a fast dry shop coat alkyd primer which is suited for industrial use.

PRODUCT FEATURES

- Excellent metal adhesion
- Fast drying time
- Electrostatic spray capability
- Easy touch - up
- Water, gas and soft solvent resistant

TYPICAL USES

- Light duty equipment
- Priming ferrous metal
- Steel structures
- Metal Sheets

TECHNICAL DATA

Colors available:	518008 Grey 518709 Red Oxide 518711 Brown 518104 White	Drying times:	
Gloss:	Flat	Dust Free:	15 minutes
* Solids by volume:	38 % +/- 2 %	To recoat:	30 minutes
* Solids by Weight:	60 % +/- 2 %	Hard:	16 hours
Theoretical Coverage of 1 mil:	615 ft ² / U.S gallon		
D.F.T. at 25 microns:	57 m ² / 3.78 litres		
Recommended D.F.T. mils:	2.0 – 2.5	Reduction solvent:	111602, DE - 300, DE - 400
Dry film thickness microns:	50 – 62.5	Dilution:	5 - 10 % by volume
Viscosity:	60 - 65 ku		
* Specific gravity	1.30 - 1.38 kg/lit		
Flash Point:	24°C (75.2°F)		
V.O.C.:	534 grams/litre 4.46 lbs / US gal.	Shelf life:	12 months @ 25°C unopened
		Packaging:	3.78 litres (1 U.S gal.) 18.93 litres (5 U.S gallon)

* Data may vary according to colors

Keep in cool and dry area
*revised on December 23,
2010

APPLICATION GUIDE

SURFACE PREPARATION

Remove all detrimental foreign matter such as oil, grease, dirt, soil, salts, drawing and cutting compounds and other contaminants from steel surfaces with Polyur 111628 (water-based cleaner) or Polyur 101601 (solvent based cleaner) or approved equivalency.

MIXING AND THINNING

The entire contents of each container must be mixed well before application.
Dilute 5 – 10 % by volume with thinner 111602, DE - 300, DE - 400 for air application.

APPLICATION PROCESS

			RECOATING TIME		
Substrate temperature	Dust free	Hard	Minimum	Maximum	Normal
23°C (73°F)	15 minutes	16 hours	30 minutes	Unlimited*	Overnight

*** NOTE: Must be free of all contaminants**

The use of brush and roller applications is not recommended for large surfaces.

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:	0.011 – 0.017
Fluid Pressure:	15 – 20 lbs	Filter Size:	50 Mesh (300 um)
Hose:	½ inch, 50 ft length maximum		

PRODUCT LIMITATIONS

- Air temperature and surface should be between 10°C - 30°C (50 - 86°F)
- Should not be applied in high humidity conditions
- Should not be applied on cold, warm or wet surfaces
- 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."