

Technical Data

Perma-Slik[®] RP Primer

Fast Dry, Primer

**CURTISS -
WRIGHT**

Everlube[®] Products

Surface Technologies Division

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Product Description	
Perma-Slik RP Primer is an air-cured primer which utilizes an organo-metallic binder system. This coating has exceptional adhesion to a wide variety of substrates, such as glass, plastic, rubber, steel, aluminum, and wood. Generally, this coating will dry to the touch in less than 5 minutes. Specifications for this product can be found at: http://www.everlubeproducts.com/products	
Features / Benefits	
<ul style="list-style-type: none">• Excellent Adhesion• Very good thermal stability• Ideal for field applications that don't require a pretreatment• Excellent adhesion promoter for P/S R series	
Markets	Typical Applications
<ul style="list-style-type: none">• Industrial Machinery• Mechanical Components• Fabricated Metal Parts• Automotive	<ul style="list-style-type: none">• Glass & ceramic components• Guide and sliding rails• Bearing guides and sleeves• Elastomeric components
Physical Properties	
Lubricating Solids:	N/A
Binder:	Organo-metallic
Color and Appearance:*	Clear
Carrier:	Solvent borne
Solids (by weight):*	4% to 6%
Density:*	7.4 ± 0.5 lb/gal (887 ± 60 grams/liter)
Flash Point:	80°F (27°C)
Volatile Organic Compound:	840 grams/liter (7.01 lb/gal)
Theoretical Coverage: ¹	87 ft ² /gal @ 0.5 mils (2.1 m ² /liter @ 12.7 microns)
Processing Information	
Dry Film Thickness	0.2 to 1 mils (5 to 25 microns)
Dilution/Cleanup Solvent:	Heptane or Toluene. Xylene or VM&P Mineral Spirits may be used as retarder solvents.
Dilution Ratio: (For Spray)	Concentrate to 2:1 (product to solvent by volume)
Cure Cycle:	1 to 6 hrs. @ 65°F to 85°F at greater than 50% relative humidity
Suggested Pretreatment:	Grit blast
Suggested application Methods:	Dip, dip/spin, or spray
For additional information, please see Processing Bulletin #3017	
Continued	

Typical Functional Properties

	<u>ASTM Test Method</u>	<u>Value</u>
Corrosion Resistance		
Test Panel	ASTM B-117	<24 hrs. @ 5% neutral salt spray
Test Panel Coating Method		0.5 mil on grit blasted steel panel
Abrasion Resistance	ASTM D-4060	N/A
Coefficient of Friction	ASTM D-2714	N/A
Operating Temperature Range		-325°F to 1200°F (-198°C to 649°C)
Load Carrying Capacity		N/A
Wear Life		N/A

Chemical Resistance (ASTM D-2510, Method C)

Isopropyl Alcohol or Ethyl Alcohol	Pass	Diethanolamine	Pass
Mineral Spirits or Paint Thinner	Pass	Hydrochloric Acid (10%)	N/R
Toluene	Pass	Sodium Hydroxide (10%)	N/R
Acetone	Pass	Distilled Water	Pass
Skydrol 500	Pass	Jet Fuels (JP-4)	Pass
Hydraulic Fluids	Pass	Trichloroethylene	Pass
Anti-Icing Fluids	Pass		

Note: Chemical resistance may vary depending on the cure cycle. N/R = not recommended

Additional InformationShelf Life and Storage:

One year from date of shipment, stored in a factory sealed container between the temperatures of 40°F to 100°F. Coatings are thermally stable, but we do not recommend prolonged exposure outside of the specified temperature range listed above

Packaging: Perma-Slik RP Primer is available in gallon, 5-gallon pail, and quart

Warranty:

No representation or warranty is expressed or implied and all warranties including warranties of marketability and fitness for use are expressly disclaimed. Nothing herein shall be construed as permission or recommendation to practice a patented invention without a license.

* These tests are performed on each production lot

¹ Based on 100% transfer efficiency at a dry film thickness of 0.0005 inch (12.5 microns).

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Issue Date: 06/02/03, Latest Revision Date: 2/11/09