

## Technical Data

# Ever-Slik® 1225

## Protective Coatings

**CURTISS -  
WRIGHT**

**Everlube® Products**

Surface Technologies Division  
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<b>Product Description</b>	
Ever-Slik 1225 is a thermally cured, specially blended high molecular weight phenolic based coating which provides very good corrosion resistance. It also offers good barrier protection from both abrasive and harsh chemical environments.	
<b>Features / Benefits</b>	
<ul style="list-style-type: none"><li>• Excellent corrosion resistance</li><li>• Very good corrosion resistance</li><li>• Good abrasion resistance</li><li>• No lubricating properties</li></ul>	
<b>Markets</b>	<b>Typical Applications</b>
<ul style="list-style-type: none"><li>• Semiconductor</li><li>• Industrial Machinery &amp; Equipment</li><li>• Mechanical Components</li><li>• Fasteners</li></ul>	<ul style="list-style-type: none"><li>• Rare earth magnets</li><li>• Pump and valves</li><li>• Actuator stems and shafts</li><li>• Fittings and impellers</li></ul>
<b>Physical Properties</b>	
Lubricating Solids	N/A
Binder	High molecular weight phenolic
Color and Appearance*	Satin Black Finish, , additional color options are available
Carrier	Solvent borne
Solids (by weight)*	27% to 31%
Density*	8 ± 0.5 lb/gal (1006 ± 60 grams/liter)
Flash Point	24°F (-4°C)
Volatile Organic Compound	587 grams/liter (4.89 lb/gal)
Theoretical Coverage <sup>1</sup>	587 ft <sup>2</sup> /gal @ 0.5 mils (14.3 m <sup>2</sup> /liter @ 12.7 microns)
Alternative or Repair Coatings:	A low VOC alternative coating for Ever-Slik 1225 is our Everlube 9800
<b>Processing Information</b>	
Dry Film Thickness	0.3 to 1mil (8 to 25 microns)
Dilution / Cleanup Solvent	MEK
Dilution Ratio (for spray)	1:1 to 1:3 (Product to Solvent)
Cure Cycle	1 hr @ 300°F ± 25°F
Suggested Pretreatment	Grit blast and/or phosphate
Suggested Application Method	Dip Spin, Spray
For additional information, please see Processing Bulletin #3000-A	
(Continued)	

**Typical Functional Properties**

	<u>ASTM Test Method</u>	<u>Value</u>
Corrosion Resistance		
Test Panel	ASTM B117	>400 hrs. @ 5% neutral salt spray
Test Panel Coating Method		0.8 mil on grit blasted steel panel
Abrasion Resistance	ASTM D4060	gOOD
Coefficient of Friction	ASTM D2714	N/A
Operating Temperature Range		-100°F to 300°F (-73 to 149°C)
Load Carrying Capacity	ASTM 2625, Method B	N/A
Wear Life	ASTM 2625, Method A	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%)	Pass
Toluene	Pass	Sodium Hydroxide (10%)	Pass
Acetone	Pass	Distilled Water	Pass
Skydrol 500	N/R	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 Information**

Shelf Life and Storage:

One year from date of shipment, stored in a factory sealed container between the temperatures, 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:

Ever-Slik 1225 is available in gallon, and 5-gallon pail

Warranty:

No representation of 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

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

Issue Date: 08/19/02, Latest Revision Date: 10/16/03