Technical Data

Ever-Slik® 1201

Protective Coatings

Morgan Advanced Ceramics
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Product Description

Ever-Slik 1201 is a thermally cured, specially blended high molecular weight epoxy based coating which provides outstanding corrosion resistance in almost any environment. Along with its excellent corrosion resistance, Ever-Slik 1201 is ideal for applications where an abrasion resistant coating is needed. Ever-Slik 1201 also offers excellent barrier protection from harsh chemicals and solvents. Specifications for this product can be found at: http://www.everlubeproducts.com/products

Features / Benefits

- Excellent corrosion resistance
- Excellent chemical resistance
- Excellent abrasion resistance
- Good thermal stability

Markets

- Semiconductor
- Medical
- Chemical Processing
- Automotive

Typical Applications

- Pumps and valves
- Semiconductor machinery
- Actuator stems and shafts
- Fittings and impellers

Physical Properties

Lubricating Solid:	None
Binder:	High Molecular Weight Epoxy
Color and Appearance:*	Glossy Black Finish**, additional color options are available.
Carrier:	Solvent Borne
Solids (by weight):*	43 to 47%
Density:*	8.4 ± 0.5 lb/gal (1006 ± 60 grams/liter)
Flash Point:	45°F (7°C)
Volatile Organic Compound:	580 grams/liter (4.84 lb/gal)
Theoretical Coverage:[1]	545 ft²/gal @ 0.5 mils (13.3 m²/liter @ 12.7 microns)
Alternative or Repair Coatings:	A low VOC alternative coating for Ever-Slik 1201 is our Everlube 9800.

Processing Information[2]

Dry Film Thickness	0.3 to 2 mils (8 to 51 microns)
Dilution / Cleanup Solvent:[2]	642 solvent or MEK
Dilution Ratio:	1:1 to 1:3 (Product to Solvent)
Cure Cycle:[2]	1 hr @ 375°F+/- 25°F
Suggested Pretreatment:	Grit Blast and/or Phosphate

Suggested Application Methods: Dip Spin ☐ Spray ☑

For additional information, please see Processing Bulletin # 3000-A

Typical Functional Properties

	ASTM Test Method	Value
Corrosion Resistance		
Test Panel	ASTM B117	2500 hrs. @ 5% Neutral Salt Spray
Test Panel Coating Method		0.8 mil on grit blasted steel panel
Abrasion Resistance	ASTM D4060	Excellent
Coefficient of Friction	ASTM D2714	N/A
Operating Temperature Range		-100° to 400°F (-73° to 204°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:	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 Information

Shelf Life and Storage:	One year from date of shipment, stored in a factory sealed container between the temperatures, 40° to 90°F. Coatings are thermally stable, but we do not recommend prolonged exposure outside of the specified temperature range listed above.
Packaging:	Ever-Slik® 1201 is available in Gallon, 5-Gallon Pail
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 Test are performed on each production lot.
[1] Based on 100% transfer efficiency at a dry film thickness of 0.001 inch (25 microns).
[2] Contact Everlube Products Technical Services for additional options.
[3] Specific chemical tested per the specification requirements.

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Morgan