Technical Data

Ever-Slik® 1201

Basecoat / Barrier Coating

Everlube® Products

U.S.A. 1-800-428-7802 - 1-770-261-4800
Europe 44 (0) 1386 421444
www.everlubeproducts.com

Product Description

Ever-Slik 1201 is a thermally cured, solvent-based, barrier coating that utilizes a high molecular weight epoxy binder system. This coating provides superior corrosion protection and outstanding chemical resistance in a wide variety of applications. Ever-Slik 1201 may be used as a stand-alone coating; or is often used as a primer for Ever-Slik 1301 and other Everlube Products functional coatings to achieve an excellent combination of corrosion resistance and lubricity. Specifications for this product can be found at http://www.everlubeproducts.com/products.

Features / Benefits

- Superior corrosion resistance
- Extreme toughness and durability
- Outstanding chemical resistance
- RoHS compliant

Markets	Typical Applications
• Automotive	• Pumps, tools, misc. hardware
• Petrochemical industry	• Ball joints, other automotive components
• Semiconductor	• Valves, fittings, and connectors
• Aerospace/defense	• Drilling platforms, subsea applications

Physical Properties

Lubricating Solids:	N/A
Binder:	High molecular weight epoxy
Color and Appearance:*	Glossy black or “primer” red. Other colors available.
Carrier:	Solvent borne
Solids (by weight):*	40% to 44%
Density:*	8.4 ± 0.5 lb/gal (1008 ± 60 grams/liter)
Flash Point:	99°F (37°C)
Volatile Organic Compound:	580 grams/liter (4.8 lb/gal)
Theoretical Coverage:[1]	1090 ft^2/gal @ 0.5 mils (26.8 m^2/liter @ 12.7 microns)
Alternative or Repair Coatings:	N/A

Processing Information

Dry Film Thickness	0.3 to 1.5 mils (7 to 38 microns)
Dilution/Cleanup Solvent:	MEK, 642 Solvent, 1213 Solvent or 1201 Solvent.
Dilution Ratio: For Spray:	1:2 to 1:3 (product:solvent) by volume (adjust as needed) Concentrate to 1:1 by volume (or as needed)
Cure Cycle: Barrier Coating only:	1 hour at 375°F to 400°F (191°C to 204°C)
When used as a primer:	20-40 minutes @ 200°F to 250°F (93°C to 121°C) Apply topcoat as recommended and final cure at 375°F to 425°F (190°C to 218°C) for 60 minutes
Suggested Pretreatment:	Grit blast, Zinc Phosphate
Suggested Application Methods:	Dip, spray

For additional (general) process information, please see Processing Bulletin #3000-A.

Typical Functional Properties:

	ASTM Test Method	Value
Corrosion Resistance		
Test Panel (Sprayed)	ASTM B-117 (5% Neutral Salt spray)	>2500 hrs. to failure
Test Panel (Sprayed)	ASTM G-85 (sulfurous acid salt spray)	>2500 hrs. to failure
Test Panel Coating Method	Spray panel	1.2 mils on Mn. phos steel panel
Abrasion Resistance	ASTM D-4060	Excellent
Operating Temperature Range		-100°F to 400°F (-73°C to 204°C)

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	Nitric Acid (10%)	Pass
Skydrol 500	Pass	Jet Fuel (JP-4)	Pass
Hydraulic Fluids	Pass	Trichloroethylene	Pass
Anti-Icing Fluids	Pass	Methylene Chloride	Pass
Reagent Water	Pass	DC-550	Pass
Mil-L-2140	Pass	Mil-L-8446	Pass
Mil-A-8243	Pass	Distilled Water	Pass

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 1201 is available in 5-gallon pails, gallons and quarts.

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 (12.7 microns).

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