

Everlube® Products

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TECHNICAL DATA

PEK1201

EVER-SLIK® 1201 Basecoat / Barrier Coating

Product Description:

- Solvent based epoxy system
- Thermally cured coating
- Extreme toughness, flexibility and durability
- Outstanding chemical resistance
- Superior Corrosion Resistance
- Inherent hydrophobic properties allows coating to repel water and other process fluids.

Typical Uses:

- Valves and fittings used in the petrochemical industry.
- Functional components used in the offshore drilling industry.
- To enhance corrosion resistance properties when used as a primer under solid film lubricants (such as Everslik® 1301).

Typical Physical Properties:

Color and appearance*	Glossy black or "primer" red finish. Other colors are available on a special order basis.
Solids content (by weight)*	43 to 47%
Solids content (by volume)	32 to 36%
Density*	8.4 ± 0.5 lb/gal (1006 ± 60 grams/liter)
Theoretical coverage	545 sq. ft./gallon @ 1.0 mils (13.3 sq. meters/ltr @25.4 microns)
Volatile organic compound (V.O.C.)	580 grams/liter
Pencil Hardness	>4H
Operating temperature range	-100° to 400°F (-73° to 204°C)
Shelf Life	1 year from date of manufacture, stored in a factory sealed container at 40° to 100°F. Shipped with a minimum of 75% shelf life.

Recommended Application Procedure:

Application Method:	Spray
Dilution Ratio (by volume):	1:1 to 1:3 (product:solvent)
Dilution and Clean-up Solvent:	1201 solvent or 80%MEK/20% NMP
Application Sequence:	Apply the Everslik 1201 in at least 3 thin coats of 0.0002" to 0.0003" (5 to 7 microns) dry film thickness per coat. Allow to air dry for at least 15 minutes between coats.

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Cure cycle:

As a primer: Flash cure the Everslik 1201 at 200° to 250° (93° to 121°C) for 20 to 40 minutes. Let cool to room temperature before applying the topcoat. The final cure is 350° to 400°F. (177° to 204°C) for 1 hour (+15, -0 min.) (part metal temperature).

As a barrier coating: 350° to 400°F (177° to 204°C) for 1 hour (+15, -0 min.) (part metal temperature).

For addition information see Application Bulletin #3000-A

Typical Functional Properties (for reference use only)

Adhesion (ASTM D-3359)	Pass
Thermal stability (ASTM D-2511)	Pass
Taber abraser (ASTM D-4060)	(25 microns)
CS-17 wheels, 1 kg load	<0.001" coating thickness wear per 2500 cycles
CS-10 wheel, 1 kg load	<18 mg weight loss/1000 cycles

Neutral Salt Spray Corrosion resistance
(ASTM B-117) @0.0012" (30.5 microns)
on Mn. phosphated 1010 CRS steel
test panels >2500 hours to failure

Sulfurous Acid Corrosion Resistance
(ASTM G-85) @0.0012" (30.5 microns)
on Mn. phosphated 1010 CRS steel
test panels. >2500 hours to failure

Chemical Resistance:

100 hours immersion Ambient temperature

- Anodized aluminum panels
Fluid
Skydrol 500A No effect
Trichloroethylene No effect
Methylene Chloride No effect
Hydrochloric Acid (15%) No effect
Sulfuric Acid (50%) No effect
Nitric Acid (10%) No effect
- Steel panel
Fluid
Sodium Hydroxide (25%) No effect

* Lot Tests