EverPel

Technical Data Sheet

Oceanit's EverPel is an oil and water-repellent, chemically resistant surface treatment that can be easily applied to metals and coated substrates. EverPel inhibits scale deposition and corrosion, and is suitable for use at the extreme temperatures and pressures typical of downhole conditions.

Typical Uncured Physical Properties

Color	Clear Yellow
Specific Gravity	1.1 g/cm^3
Application Method	Spray
Viscosity	100-500 cP (Tunable)
Contact Angles	Water: 125° Oil: 65°
VOC Content	None
Thermal Diffusivity	<5% change on thermal diffusivity of substrate

Typical Application Properties

Mixing Time (Part A and Part B)	Approximately 15 min prior to application
Time Between Coats	Recommended 60 min between coats
Coating Window	Additional recoats can be applied for up to 72 hours from first application / mixing of Part A and Part B
Full Cure Time	Less than 2 Hours
Coating Thickness	1-4 mils Recommended
Applicable Surfaces	Metals, concrete, composites, etc

EverPel Coating

Appearance of Coating Film	Clear Yellow
Maximum Usable Temperature	400°F
Adhesion Test (ASTM D3359)	5A after 48 Hours
Corrosion Resistance (ASTM B117)	1000 + hr
Erosion Resistance (ASTM G76)	<1% Mass Loss
Wear Resistance (ASTM D4060)	8-11 mg
Chemical Compatibility Tested	Acidic Conditions (pH < 2) Alkaline Conditions (pH > 11) Acid Gas (>1000 ppm CO_2) Sour Gas (>4 ppm H_2S)
Surface Roughness After Application	60-120 µinch

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