



Sei CORROSION PROOF™ PRIMER-EN

Product Description

The SEI Corrosion Proof Primer-EN utilizes CPT™ Technology (Corrosion Preventative Technology). This is a highly charged and durable migrational molecule that has the ability to penetrate and travel through a wide variety of mediums in order to find and bond with all types of metal. The CPT molecule needs to fulfill its ionic attraction by bonding with either ferrous or non-ferrous metal. Once the CPT molecule has found metal it creates a highly durable, resilient and robust chemical bond. This bond provides extensive protection for long periods of time in very harsh environments. The SEI Corrosion Proof Primer-EN is an environmentally friendly, non-toxic, waterborne primer with outstanding corrosion resistance. This coating is based on a hydrophobic latex resin system. Our most powerful migrational corrosion inhibitor works phenomenally well with this particular resin system and will 100% prevent the oxidation process. The SEI Corrosion Proof Primer-EN is designed to be used with other waterborne topcoats or solvent-based topcoats. This is a fast-drying, thixotropic, low viscosity coating that resists sagging. It also has excellent resistance to settling in the can. This dry-to-touch film offers extended protection in very harsh environments. Excellent flexibility gives optimal outdoor performance without cracking or chipping due and has excellent UV resistance.

Film Type: Hard

Dry Film Thickness mil: 2 mil (50 µm)

Dry Time: 20 min.

VOC g/l (lbs/gal): 150 (1.25)

Solids %: 50

Coverage ft²/gal (m²/l): 306 (7.5)

Application Method: Spray, dip, roll, brush

Topcoatability: Yes

Length of Protection: Long Term

Metals Protected

- Carbon Steel
- Cast Iron
- Aluminum
- Stainless Steel

SEI Chemical

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Application

Check for settling in the can. If necessary, gently agitate.

Conventional Sprayer

Best results can be obtained using a 0.013"-0.017" (0.03 cm - 0.04 cm) tip at 1200-1700 psi (83-117 bar).

Typical Properties

- Appearance Gray viscous liquid
- Non-volatile Content 46-51%
- pH 8.5-9.5 (Neat)
- Density 9.7-10.2 lb/gal (1.16-1.22 kg/l)
- Solids by Volume 35-39%
- Recommended DFT 1.5-3.0 mils (37.5-75 microns)
- Theoretical Spread Rate 613 ft²/gal @ 1 mil
- 15 m²/l @ 25 microns
- Dry to Touch - 30 minutes @ 75°F (24°C)
- Temperature Stability 45°-90°F (7°-32°C)
- Minimum Interval before Over coating (Varies)
- 0.5-6.0 hours
- Flash Point >248°F (120°C)
- VOC (ASTM-3960) 1.2 lb/gal (143.8 g/l)
- Viscosity 1600-2200 cps

Corrosion Resistant Data

(on carbon steel 1010 Q-panels)

	Dry Film Thickness Mils (Microns)	Hours to Failure
ASTM B-117 (Salt spray)	2.0 (50)	800-1100
ASTM D-1748 (Humidity)	2.0 (50)	2000+
ASTM G-85 A5 (Prohesion)	2.0 (50)	800-1100

Packaging & Storage

- 5-gal & 55-gal
- Minimum storage temperature: 35°F (2°C)
- Maximum storage temperature: 120°F (49°C)
- Recommended Thinner Fresh Water
- Airless Spray None required
- Store in heated warehouse to avoid freezing.
- Shelf life of 12 months.

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Disclaimer

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