



SEI CORROSION PROOF®

CLEAR COAT

CPT-303

CORROSION PREVENTION TECHNOLOGY

PRODUCT DESCRIPTION

CPT-303 is a high-end, unique, cross-linked one component, water-based corrosion preventative clear coating that provides protection in harsh, outdoor, unsheltered applications. CPT-303 is non-toxic and contains the CPT migrational bonding chemistry that offers corrosion prevention that is far superior to any zinc rich product. CPT-303 is superior to many coatings with inorganic pigments because the resistance has been improved by replacing pigments and metal oxides with more effective migrational robust metal bonding molecules. CPT-303 provides a composite polymer barrier that significantly retards the reaction of metal ionization. A protective film is adsorbed onto metal surfaces. It protects against corrosive electrolytes and aggressive environments, thus preventing corrosion. CPT-303 provides a fast-drying coating that is resistant to sagging or running, forming a tough, non-flammable, protective barrier. This coating is extremely UV, abrasion, chemical and acid resistant. The dry-to-touch film offers extended protection for outdoor or indoor conditions. Thermally stable when dried from 55°F to 350°F (13° to 80°C), the coating is ultraviolet resistant. It gives optimal outdoor performance without cracking or chipping upon prolonged exposure to sunlight. CPT-303 is a clear coating that allows visual inspection of the metal surface after application. This coating can be easily tinted with pigment dispersions. This coating protects carbon steel cast iron, aluminum, stainless steel, galvanized steel and copper.

APPLICATION

CPT-303 can be used as a topcoat/primer. When solvent-based topcoats are applied over CPT-303, compatibility must be checked. Note: Make sure dew point is more than 5°F (2°C) less than air temperature for application. Power agitate to a uniform consistency using a “squirrel cage” type mixer, hand-held drill mixer, or other equivalent method. Can be applied by spray, roll, brush or dip. Keep from freezing.

TEST DATA: [at 2 mils (50 microns)] DFT*

*Dry Film Thickness

Test Method	SAE 1010 Carbon Steel	Aluminum
Salt Spray (ASTM B117)	200+ Hours	1000+ Hours
Humidity (ASTM D1748)	1000+ Hours	1000+ Hours

Conventional Spray: Manufacturer Gun Model Tip/Aircap Combination, DeVilbiss MBC or JGA 704E, Binks #18 or #62 66PE. Fluid hose should be 3/8” (0.95 cm) I.D. with a maximum length of 50 feet (15.2 m). Pot should always have dual regulation and be kept at same elevation as spray gun. **Airless:** Manufacturer Gun Model Tip/Aircap Combination, Graco 205-591 Bulldog, Binks Model 500 Mercury 5C, DeVilbiss JGN-501 QFA-519. Hose should be 3/8” (0.95 cm) I.D. minimum, but a 1/4” (0.64 cm) I.D. whip end section may be used for ease of application. A maximum length of 100 feet (30.5 m) is suggested. Best results will be obtained using a 0.013”-0.017” (0.3-0.4 cm) tip at 1200-1700 psi (83-117 bar). Note: Nylon or Teflon type packings are available from pump manufacturer and are highly recommended. Note: Similar equipment may be suitable.

PACKAGING & STORAGE & TYPICAL PROPERTIES

CPT-303 is available in 5 gallon (19 liter) pails, 55gallon (208 liter) metal drums, liquid totes and bulk.

Density: 8.4-8.6 lb/gal (1.01-1.03 kg/l). Non-volatile Content: 35-42%. Dry Film Thickness: 3.0 mils (per coat) (37.5-75 microns). Theoretical Spread Rate: 200-250ft²/gal (13-16 m²/l). Dry to Touch Time: 30 minutes @ 75°F (24°C) at 2 mils (50 microns). Full cure: 24 hours. Temperature Stability: 45°-90°F (7°-32°C). VOC (ASTM D-3960): 119 g/l.

Viscosity: 700-3,000 cps (6 rpm/#2)

DISCLAIMER:

The information provided is to be used as a guide and users should perform their own tests to ensure performance in their application. All data, statements, and recommendations made herein are based upon information we believe to be reliable, but are made without any representation, guarantee or warranty of accuracy. All statements, technical information and recommendations contained herein are based on tests SEI Chemical believes to be reliable, but the accuracy or completeness thereof is not guaranteed. SEI Chemical warrants SEI products will be free from defects when shipped to customer. SEI Chemical's obligation under this warranty shall be limited to replacement of product that proves to be defective. To obtain replacement product under this warranty, the customer must notify SEI Chemical of the claimed defect within six months after shipment of product to customer. All freight charges for replacement products shall be paid by customer. SEI Chemical shall have no liability for any injury, loss or damage arising out of the use of or the inability to use the products. Before using, user shall determine the suitability of the product for its intended use, and user assumes all risk and liability whatsoever in connection therewith. No representation or recommendation not contained herein shall have any force or effect unless in a written document signed by an officer of SEI Chemical. The foregoing warranty is exclusive and in lieu of all other warranties, express, implied or statutory, including without limitation any implied warranty of merchantability or of fitness for a particular purpose in no case shall SEI Chemical be liable for incidental or consequential damages. Limited warranty, for industrial use only. Keep out of reach of children. Keep containers tightly closed, not for internal consumption, consult material. Consult Material Safety Data Sheet for more information.