



# SEI CORROSION PROOF™

## FLUOROBASE

### CPT-310

#### PRODUCT DESCRIPTION

CPT-310 is an extreme performance and highly fluorinated coating formulated for severe commercial, industrial, architectural and marine applications. This coating does not allow anything to adhere to it and offers extreme chemical, chloride, weathering and UV resistance. This product is a single component, corrosion, moisture and oxygen preventative system that exhibits outstanding performance properties and exceeds the performance requirements of the AAMA 2605-05 specification. This coating incorporates SEI's novel fluoropolyol that can be applied direct to ferrous and non-ferrous metals as well as other organic and inorganic substrates. It is also highly resistive to hydrocarbons, corrosion, harsh chemicals and biological attack. The CPT corrosion inhibitor has been impregnated into this product.

This coating exhibits outstanding weathering characteristics and is ideal for limited immersion service in water treatment, marine, aerospace, architectural, construction, industrial and automotive equipment. It provides a high quality finish, and offers world-class performance with an expected life span exceeding 15 years.

- Corrosion Preventative Technology Inhibitors
- Fouling release characteristics - No heavy metals or poisons
- Outstanding hydrophobic and oleophobic surface properties
- Highly flexible, non-stick and outstanding impact and abrasion resistance
- Highly resistant to attack by hydrocarbons, chemicals and UV radiation

#### PERFORMANCE CHARACTERISTICS

- ASTM B 117 and ASTM D 714 - Salt Spray –
- ASTM D 530
- ASTM 412 - tensile strength and elongation
- ASTM D 522 - pass 3/8 inch mandral
- ASTM 968 - abrasion
- Water-clear, non-yellowing, free of waxes
- MEK: No effect after 5-days
- Carboxylic Acid - No effect after 5-days
- 75% Phosphoric acid - No effect after 5-days
- 50% Sulfuric Acid - No effect after 5-days
- 37% HCL - 3 hours no blister
- 20% NIT 68 hours no blister

#### SURFACE PREPERATION

Suitable substrates include concrete, block, ferrous metal, galvanized metal, aluminum, fiberglass, carbon fiber and wood. All surfaces to be coated should be clean, dry and free from contaminants. For old or previously finished surfaces, some preparation and cleaning is required. CPT-310 can be applied over per-corroded surfaces but all loose corrosion must be removed prior to application.

## MIXING & ACTIVATION

Do not use unless the coating is clear and free flowing. This material is moisture sensitive. The product should be kept covered at all times after mixing and during application to prevent contamination and prevent moisture absorption.

## POT LIFE & FINISHES

Clear. High Gloss -> 90 / 60. Semi-Gloss - 50-60 / 60. Matt - 30-40 / 60. Pot life is aprox. 5-8 Hours @ 21C / 70F, 1 1/2 Hours @ 32C / 90F; however, these times may vary with environmental or climatic conditions. The product should be kept covered at all times after mixing and during application to prevent contamination and prevent moisture absorption.

## APPLICATION

For optimum appearance properties - spray two coats to a minimum of 2 mils DFT / 50 microns DFT. Allow the first coat to "flash off" to a tacked state prior to a following coat. Apply the second coat 15-25 minutes after the first wet on wet. Can be spray-applied, brushed or rolled unreduced to the recommended DFT. Must not be applied to surfaces at ambient temperatures above 35C / 95F. Apply the coating only when the surface temperature is more than 5F or 3C above the dew point temperature of the surrounding air and relative humidity is below 85%, in order to prevent moisture condensation on the surface.

## COVERAGE & CURING

CPT-310 exhibits excellent opacity and coverage when spray-applied.

Solids content: 50% by volume - Clear. Number of Coats: 2 coats at 50 microns / 2 mils DFT. Coverage (theoretical): 300-400 square feet per mixed gallon.

Dry Time: @ 21C / 70F ambient air cure.

Tack-Free: 4-6 Hours. Hard Cure: 24 hours.

Full Cure: 3-5 days.

Elevated Curing: 40C - 60C / 105F - 140F for 40 minutes

## STORAGE & HANDLING

Hazardous Goods: Paint, Flammable Liquid, UN1263 Class III Hazchem 3YE

Shipping Information: 6.76 kg/14.9 lbs. per gallon unit including container – Clear.

VOC content: <50 grams per liter – Clear. Must be stored and handled in compliance with all current local regulations for flammable liquids. Store in cool, dry, well ventilated (5C-35C / 40F-95F) areas, out of direct sunlight and moisture. Shelf Life: 6 months. Ensure material is consistent in thickness after stirring, and it is clear and transparent before application.

### 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.

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