



Corrosion Proofer™

High Heat

CPT-321

PRODUCT DESCRIPTION

CPT-321 is a patented, high-performance coating with extraordinary heat stability, chemical resistance and corrosion preventative properties. This hard film forming non-stick coating is single component and will cure in ambient temperatures in about one hour. The CPT-321 forms both a mechanical and chemical bond to inorganic and organic substrates making it universal in its application. The CPT-321's resin system is a hybrid consisting of a unique methyl extended siloxane diol. This system is coupled with a unique nano-particulate that together provides leading-edge durability and heat stability. This cutting-edge coating exhibits outstanding anti-stick, chemical, abrasion, impact, and UV resistance. CPT-321 is also heat stable to 1800 degrees F. Over concrete, CPT-321 acts as a surface hardener that extends the service life of mineral substrates. This coating will provide world class protection on a wide variety of surfaces including ferrous and non-ferrous metals, glass, plexi-glass, plastics and all other porous and non-porous substrates. CPT-321 is a penetrating non-yellowing, non-whitening and non-toxic product that is VOC and AQMD compliant. This coating exhibits outstanding weathering characteristics and is ideal for immersion service on marine, aerospace, architectural, construction, industrial and automotive equipment.

PERFORMANCE PROPERTIES OF DRY FILM

- Hardness: 6H ASTM D3363 on chrome treated aluminum
- Adhesion: 90 – 100 % ASTM D3359 on chromated aluminum
- Gloss: 90 @ 60 degrees
- Chemical Resistance: MEK, Acetone, Brake Fluid, and organic solvents
- UV Stability: Excellent
- VOC content: 100 grams per liter
- Outstanding Hydrophobic and Oleophobic surface properties
- Outstanding impact and abrasion resistance
- Phenomenally low surface energy and high slip characteristics

APPLICATION GUIDELINES

Surface Preparation:

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. Always apply test area before proceeding with entire application. The surface is to be clean and free of any foreign matter. Apply the CPT-321 to any surface or substrate. The CPT-321 is applied in 1 coat - recommended thickness is 14-150 Microns dry depending on application and substrate. Product must be applied to a dry surface. Always apply to a test area before proceeding with entire application.

Concrete: Concrete temperature must be at least 60F (16C) during the coating application. Blast areas to be coated using sharp, angular abrasive grit. All surfaces are to be vacuumed or blown-down with oil-free, moisture-free air. Use steel shot of SAE 230-330 to prepare surface using a "Blastrac®" or similar device. The operator of this device should be experienced; concrete can be damaged by holding in one localized for extended times or using shot of improper size. The concrete surface shall be finished with a rough edge, free of chemical or environmental contamination, dry, clean of loose debris and of adequate surface strength. Neutralize acidic and alkaline surfaces, remove grease, standing oil, old coatings, sealants and dirt.

Mixing:

Mix product sufficiently. After mixing, pour CPT-321 through a 60 mesh screen into a clean container to remove any large particles before spraying.

Application:

Coating can be applied by brushing, rolling, spraying or squeegeeing. NOTE – Spraying offers the best results for filling pinholes and pores in concrete. All cracks, joints, bugholes, transistions and interfaces must be sealed or filled. Apply coating on all surfaces at wet film thickness of 2-4 mils (140 microns DFT max.). Airless pump 30:1 or higher; spray tips 0.017 to 0.023 inch (0.4-0.6 mm); fan pattern 6-12 inches (15-30 cm); and new spray hoses shall be used. All spray equipment must be checked and approved by SEI Chemical personnel before the start of the job. Brush & Roll Applications: Use only natural bristle brushes for brush applications and 3/8 inch (9.5 mm) nap roller pads with phenolic cores for rolling applications.

1. Mix or shake the product well before application.
2. Product can be applied by spraying, dipping, brush, or by roller.
3. Apply uniformly.
4. Avoid pooling or excessive product application. CPT-321 is considered a 'thin film' performer.

COVERAGE

CPT-321 exhibits excellent opacity, coverage and leveling when spray applied.
Apply CPT-321 at 600-1000 sq/ft per gallon.

CURING

Dry to the touch in 1 hour and full cure in 6 hours depending on the ambient temperature.
Do not place coating into service until desired cure is achieved.
Dry to the touch: 45 minutes to 1 hour
Semi-full Cure: 6 hours
Full Cure 3-6 days.

CLEAN-UP, STORAGE & HANDLING

Xylene, Toluene or Acetone can be used for clean-up. Do not thin. Clean tools immediately after use. Solvent cleaning can be followed by a wash with soapy water. Cured material cannot be removed with solvent. Proper clean-up of equipment is essential.

Storage Life: Minimum of 1 year for unopened containers.

Pot Life: Usable life will be determined by the precautions taken to keep containers tightly sealed and protected from moisture. Disposal: Incinerate at a facility that is permitted for waste disposal. Must be stored and handled in compliance with all current local regulations for flammable liquids. Store: cool, dry, ventilated (5C-35C/40F-95F), out of sunlight and moisture.

PACKAGING

1-gal pail, 5-gal pail, 55-gal drum.

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.