

## DESCRIPTION

**PTC™ is a color stable, solvent free, waterborne dispersion that can be used in a broad number of coating applications. Film produced from this versatile coating demonstrates outstanding abrasion resistance, flexibility, and water resistance properties.**

## FEATURES

- Excellent adhesion
- High tensile strength
- Solvent free
- Color stable
- May be brushed, rolled, or airless sprayed

## RECOMMENDED USES

- Topcoat over aromatic polyureas and polyurethanes
- Coating for most metals, glass, wood, and concrete

PTC™ is not recommended for immersion service.

## COLOR

PTC™ is available SPI standard Black.

## PACKAGING

This product sold in standard quart and gallon containers. Available in other container sizes, contact sales representative for further information. Non-standard containers may require a longer lead time.

## DRY PROPERTIES

<b>4 mils (.10 mm) of clear films* (cured 14 days at ambient conditions)</b>	
<b>100% Modulus</b>	± 3,100 psi (21 mpa)
<b>Tensile Strength</b>	5400 psi (37 mpa)
<b>Elongation</b>	210%
<b>Sward Hardness ASTM 2134</b>	30
<b>*Pigment and ad-mixture types and loading may alter physical properties. It is recommended that the user perform their independent testing.</b>	

## WET PROPERTIES\* (clear)

<b>Solids by Volume**</b>	35 - 55%
<b>Weight per gallon (approx.)</b>	8.77 lbs. (4 kg)
<b>pH</b>	7.4
<b>Flash Point</b>	None
<b>Viscosity**</b>	750 ± 100 cPs
<b>Freeze/Thaw stability</b>	Pass 5 cycles
<b>Pot Life (crosslinked)</b>	24 - 48 hours
<b>Shelf Life Unopened Containers @ 77°F (25°C)</b>	1 year
<b>Service Temperature</b>	-40° - +200°F (-45° - +93°C)
<b>*Typical properties should not be construed as a product specification. The product properties as received may vary. ** Solids and viscosity will vary with pigment types and loading.</b>	

## CURING SCHEDULE\*

<b>Tack Free (to touch)</b>	15 - 45 min
<b>Post Cure</b>	12 hours
<b>Tack Time</b>	2.5 - 3 hours
<b>*At ambient temperatures.</b>	

## GENERAL APPLICATION INSTRUCTIONS

Apply PTC™ to only clean, dry, sound surfaces free of loose particles or other foreign matter. A primer may be required, subject to type and/or condition of substrate. Consult technical service personnel for specific primer recommendations and substrate preparation procedures.

It is recommended that PTC™ be sprayed in a multi-directional (north-south/east-west) passes to ensure uniform thickness.

The provided crosslinker must be thoroughly mixed into PTC™ before using.

Follow instructions attached to the container.

**DO NOT APPLY** when surface temperatures are expected to drop below 50°F or rise above 95°F during application and for two hours following application.

Immediately clean up equipment with warm soapy water.

**NOTE!** Refer to PTC™ technical data and SDS sheets for skin, eye, and respiratory protection.

## RECOMMENDED EQUIPMENT SETTINGS

USE an airless sprayer capable of producing a minimum 2,500 psi at 1/3 gal/min with a .0013 - .0017 tip.

## MIXING AND THINNING

May be thinned up to 10% with water.

## LIMITATIONS

This product is for professional use only.

This product must be stored at temperatures between 40 – 120°F (4 – 40°C).

Apply product when surface and air temperatures are above 40°F (5°C) and the surface temperature is at least 5°F (3°C) above dew point and rising.

## GENERAL SAFETY, TOXICITY, & HEALTH

Safety Data Sheets are available for this coating material. Any individual who may come in contact with these products should read and understand the S.D.S. **CHEMTREC EMERGENCY NUMBER 1-800-424-9300 INT'L 1-703-527-3887.**

**WARNING:** Contact with skin or inhalation of vapors may

cause an allergic reaction. Avoid eye contact with the liquid or spray mist. Hypersensitive persons should wear protective clothes, gloves and use protective cream on face, hands and other exposed areas.

**CLEAN UP:** Use DPM, NMP, and Polyclean.

**EYE PROTECTION:** Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mist or dusts. If contact is possible, the following protection shall be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/or face shield. If inhalation hazard exist, a full-face respirator may be required.

**SKIN PROTECTION:** Personal protective equipment for the body should be selected based on the task being performed; the risks involved, and should be approved by an industrial hygiene specialist before handling this product. Chemical resistant gloves complying with applicable health and safety standards shall be worn when handling this product. Protective gloves are those made from butyl rubber, nitrile rubber or polyvinyl alcohol. Appropriate hazard assessments in conjunction with an evaluation of the protection factors of chemical resistant gloves shall be performed to ensure the protective properties remain intact. It is noted that the time to breakdown of protection factors for different glove manufacturers varies. In the case of mixtures, the protection factors of chemical resistant gloves may be impacted and deteriorate at unpredictable rates without understanding the impact of the substance and the specific protection factors of the chemical resistant gloves.

Harmful if inhaled and may cause allergy or asthma symptoms. Ensure adequate ventilation. If the respirator is the sole means of protection, use a full-face supplied respirator. Use respirators and components tested and approved under appropriate government standards such as OSHA 29CFR 1910.134, NIOSH (US), or CEN (EU). Consider the application and environmental concentrations when deciding if additional protective measures are necessary.

**INGESTION:** Do not take internally. It is believed that ingestion of polymeric isocyanates would not be fatal to humans, but may cause inflammation of mouth and stomach tissue.

## WARRANTY & DISCLAIMER

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