



## Eco-CRE™ | CHEMICAL RESISTANT EPOXY

*High-performance, chemical spill protection*

- **ECONOMICAL** – Avoids costly floor replacement and reduces cleaning maintenance costs
- **SUPERIOR PROTECTION** – Provides excellent chemical resistance
- **VERSATILE** – Can be used in battery charging areas and other areas exposed to harsh chemicals

### Part of the **Eco-Advantage®** Family:

**Low Odor** No noxious fumes; will not contaminate odor-sensitive inventory.

**Environmentally Friendly** Reduced solvent means less evaporation and less waste.

**User Friendly** Can be applied during normal business hours—no shutdown required.

**VOC Compliant** Meets the Environmental Protection Agency VOC regulations.

## TENNANT COATINGS

*For First Impressions That Last™*

# The Versatile Choice for Chemical Exposure Areas.

Eco-CRE is a 100 percent novolac epoxy that protects concrete from chemical damage and erosion. It is formulated for use in battery charging areas, chemical processing areas, laboratories and other areas exposed to harsh chemicals.



## Eco-CRE Snapshot

<b>APPEARANCE:</b>	Gloss finish
<b>COLOR:</b>	Amber
<b>TRACTION:</b>	Increase slip resistance with Tennant's line of grit additives
<b>PERFORMANCE:</b>	Superior chemical resistance, Novolac
<b>ABRASION RESISTANCE:</b>	Superior
<b>APPLICATIONS:</b>	Battery charging, chemical processing and other chemical exposure areas
<b>INSTALLATION:</b>	Customer or contractor applied

## Chemical Resistance Properties

		1 day	7 day
Acids, Inorganic	10% Hydrochloric Acid	E	E
	30% Hydrochloric Acid (Muriatic)	E	E
	10% Nitric Acid	E	E
	50% Phosphoric Acid	G	G
	37% Sulfuric Acid (Battery Acid)	G	G
Acids, Organic	10% Acetic Acid	G	F
	10% Citric Acid	E	E
	Oleic Acid	E	E
Alkalies	10% Ammonium Hydroxide	E	E
	50% Sodium Hydroxide	E	E
Solvents (Alcohols)	Ethylene Glycol (Antifreeze)	E	E
	Isopropyl Alcohol	E	G
	Methanol	P	P
Solvents (Aliphatic)	d-Limonene	E	E
	Jet Fuel (JP-4)	E	E
	Gasoline	E	E
	Mineral Spirits	E	E
Solvents (Aromatic)	Xylene	E	E
Solvents (Chlorinated)	Methylene Chloride	P	P
Solvents (Ketones & Esters)	Methyl Ethyl Ketone (MEK)	P	P
	Propylene Glycol Methyl Ether Acetate (PMA)	G	F
Miscellaneous Chemicals	20% Ammonium Nitrate	E	E
	Brake Fluid	G	G
	Bleach	E	E
	Motor Oil (SAE30)	E	E
	Skydrol® 500B	E	E
	Skydrol® LD4	E	E
	20% Sodium Chloride	E	E
	1% Tide® Laundry Soap	E	E
	10% Trisodium Phosphate	E	E

Based on 1-day and 7-day spot testing on concrete. Coating cured 2 weeks prior to testing.

Skydrol® is a registered trademark of Solutia, Inc. Tide® is a registered trademark of Proctor and Gamble.

E = Excellent (No Adverse Effect)      F = Fair (Moderate Adverse Effect)  
G = Good (Limited Adverse Effect or Staining)      P = Poor (Unsatisfactory)

## Physical/Performance Properties

### MATERIAL PROPERTIES (LIQUID)

Property	Test Method	Results
Flash Point, °F (°C) Seta Closed Cup	ASTM D3278	Part A: >200 (93) Part B: >200 (93)
Percent Solids, by weight	ASTM D2369	Part A: 100 Part B: 100
Density, lb/gal (kg/L)	ASTM D1475 (A/B)	Part A: 9.82 (1.18) Part B: 8.35 (1.00) Mixed: 9.38 (1.13)
Shelf Life		Minimum 1 year
Viscosity, cps Brookfield	ASTM D1545	Part A: 800-1100 Part B: 450-650 Mixed: 600-800
Volatile Organic Compound (VOC) lb/gal (g/L)	ASTM D3960	Mixed: A+B 0.0 (0)

### CURED COATING PROPERTIES (DRY FILM)

Property	Test Method	Results
Abrasion Resistance, mg loss* Taber Abraser	ASTM D4060	83.0
Coefficient of Friction (COF)** James Friction Tester	ASTM D2047	0.7
Tensile Strength, psi (kPa)	ASTM C2370	8,000 (55,200)
Percent Elongation	ASTM D2370	5
Shore D Hardness	ASTM D2240	75-80 @ 0 sec 70-75 @ 15 sec
UV/Light Stability	Will turn yellow or amber over time	

### APPLICATION CHARACTERISTICS (1 GALLON)

Property	Results
Coverage Rate, ft <sup>2</sup> /gal	200-535
Application Thickness, wet/dry mils	3-8

\*CS-17 Taber Abrasion Wheel, 1,000 gram load, 1,000 revolutions. Based on independent lab testing of Eco-HTS.

\*\*To improve traction in slip hazard areas, use Tennant 292 Grit.

See 292 Grit Product Bulletin for more information.

Results are based on conditions at 77°F, 50% relative humidity.



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Cert no. SW-COC-001865  
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**A floor-care system of high-performing Tennant coatings, sweepers, and scrubbers will maximize your floor's natural life, minimize your maintenance costs and create a world-class impression.**

1250-85 Eco-CRE 10/08  
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