



Eco-MPE™

MULTI-PURPOSE EPOXY

High-performance solution

- **EASY TO USE** – Self-leveling formula allows easy application
- **PROVIDES A HIGH-QUALITY LOOK** – High-gloss finish improves the appearance over concrete-based fillers
- **LOW ODOR** – Perfect for odor-sensitive stock and environments
- **MULTI-PURPOSE** – Primer and build coat

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.

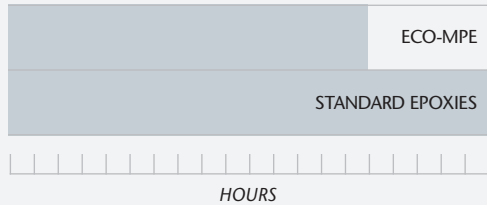
User Friendly Can be applied during normal business hours—no shutdown required.

VOC Compliant Meets the Environmental Protection Agency VOC regulations.

TENNANT COATINGS

For First Impressions That Last™

Epoxy Cure Times



Eco-MPE

APPEARANCE:	High-gloss finish with smooth texture
COLOR:	Clear, plus standard and custom colors
TRACTION:	Increase slip resistance with Tennant's line of grit additives
VOC COMPLIANCE:	Eco-MPE: Very low VOC; 4 g/L
CURE TIME:	Eco-MPE: 18 hours under normal conditions
APPLICATIONS:	Eco-MPE: Multi-Purpose primer and build coat
INSTALLATION:	Eco-MPE: Professional application suggested; special equipment required

Standard Colors — These colors are close approximations; please contact Tennant for product samples. Custom colors are also available. See product bulletin for any restrictions on colorant use.



Chemical Resistance Properties

		1-7 day
Acids, Inorganic (Muriatic)	10% Hydrochloric Acid	E E
	30% Hydrochloric Acid	E G
	10% Nitric Acid	E G
	50% Phosphoric Acid	F F
Acids, Organic	37% Sulfuric Acid (Battery Acid)	G G
	10% Acetic Acid	G F
	10% Citric Acid	G G
	Oleic Acid	G F
Alkalies	10% Ammonium Hydroxide	E E
	50% Sodium Hydroxide	E E
Solvents (Alcohols)	Ethylene Glycol (Antifreeze)	E G
	Isopropyl Alcohol	F P
	Methanol	F F
Solvents (Aliphatic)	d-Limonene	G G
	Jet Fuel (JP-4)	E E
	Gasoline	G G
	Mineral Spirits	E E
Solvents (Aromatic)	Xylene	F F
Solvents (Chlorinated)	Methylene Chloride	P P
Solvents (Ketones & Esters)	Methyl Ethyl Ketone (MEK)	P P
	Propylene Glycol Methyl Ether Acetate (PMA)	F F
Miscellaneous Chemicals	20% Ammonium Nitrate	E E
	Brake Fluid	F F
	Bleach	E E
	Motor Oil (SAE30)	E E
	Skydrol® 500B	F F
	Skydrol® LD4	F F
	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 Monsanto. Tide® is a registered trademark of Procter 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	ECO-MPE 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: 99.4 Part B: 99.8
Density, lb/gal (kg/L)	ASTM D1475	Part A: 9.22 (1.11) Part B: 8.39 (1.00) Mixed: 8.94 (1.07)
Shelf Life		2 years
Viscosity, cps Brookfield	ASTM D2196	Part A: 700-1000 Part B: 350-550 Mixed: 500-700
Volatile Organic Compound (VOC) lb/gal (g/L)	ASTM D3960	Mixed: A+B 0.04 (5)
CURED COATING PROPERTIES (DRY FILM) Property	Eco-MPE Test Method	Results
Abrasion Resistance, mg loss Taber Abraser	ASTM D4060*	83.1
Coefficient of Friction (COF)** James Friction Tester	ASTM D2047	0.59–0.62
Compressive Strength, psi (kPa)	ASTM D695	13,500 (93,150)
Tensile Strength, psi (kPa)	ASTM D2370	8,000 (55,200)
Percent Elongation	ASTM D2370	5
Shore D Hardness	ASTM D2240	80-85 @ 0 sec 75-80 @ 15 sec
UV/Light Stability		Will yellow or amber over time

APPLICATION CHARACTERISTICS

Property	Results
Coverage Rate, ft ² /gal	53-535
Application Thickness, wet mils	3-30

*CS-17 Taber Abrasion Wheel, 1,000 gram load, 1,000 revolutions.

**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.

A 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.



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