



before after

Eco-EDS™ | STATIC DISSIPATIVE EPOXY COATING SYSTEM

The proven solution™ for electrostatic discharge control

- **PROTECTS EQUIPMENT** – Controls electrostatic discharge (ESD) and meets static dissipative specifications: 1×10^5 to $<1 \times 10^9$
- **EXTREMELY DURABLE** – Exceeds wear characteristics of other options such as ESD carpeting or tile
- **ECONOMICAL** – Costs less than comparable urethane-based systems over the normal life of the coating

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

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

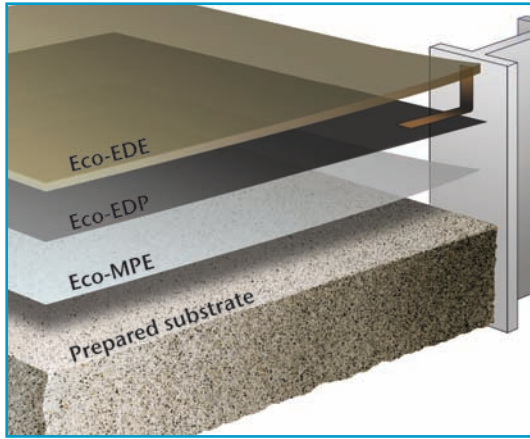
Environmentally Friendly Reduced solvent means less evaporation and less waste.

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™



Eco-EDS Snapshot

- APPEARANCE:** Gloss finish
- PERFORMANCE:** Good. Withstands wear better than ESD carpeting or tile
- APPLICATIONS:** Electronics and other industries where static discharge control is required
- INSTALLATION:** Professional application recommended; special equipment required

*White and Light Gray are not recommended due to more noticeable yellowing over time. Clear/neutral not recommended.

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 day	7 day
Acids, Inorganic	10% Hydrochloric Acid	E	G
	30% Hydrochloric Acid (Muriatic)	G	G
	10% Nitric Acid	E	G
	50% Phosphoric Acid	G	G
	37% Sulfuric Acid (Battery Acid)	G	G
Acids, Organic	10% Acetic Acid	F	F
	10% Citric Acid	E	G
	Oleic Acid	G	G
Alkalies	10% Ammonium Hydroxide	E	E
	50% Sodium Hydroxide	E	E
Solvents (Alcohols)	Ethylene Glycol (Antifreeze)	G	F
	Isopropyl Alcohol	G	F
	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	G	G
Solvents (Chlorinated)	Methylene Chloride	P	P
Solvents (Ketones & Esters)	Methyl Ethyl Ketone (MEK)	P	P
	Propylene Glycol Methyl Ether Acetate (PMA)	F	P
Miscellaneous Chemicals	20% Ammonium Nitrate	E	E
	Brake Fluid	G	G
	Bleach	G	G
	Motor Oil (SAE30)	E	E
	Skydrol® 500B	G	G
	Skydrol® LD4	G	G
	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 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	Test Method	Eco-EDP Results	Eco-EDE Results
Flash Point, °F (°C) Seta Closed Cup	ASTM D3278	Part A: >200 (93) Part B: >200 (93)	Part A: >200 (93) Part B: >200 (93)
Percent Solids, by weight	ASTM D2369	Part A: 93.21 Part B: 100 Mixed: 95.0	Part A: 99.36 Part B: 100 Mixed: 100
Density, lb/gal (kg/L)	ASTM D1475	Part A: 9.99 (1.20) Part B: 8.50 (1.15) Mixed: 9.62 (1.15)	Part A: 9.39 (1.17) Part B: 8.39 (1.01) Part C: 21.70 (2.60) Mixed: 11.52 (1.38)
Shelf Life		6 months	6 months
Viscosity, cps Brookfield	ASTM D2196	Part A: Paste Part B: 7000-8000 Mixed: 8000-9000	Part A: 4000-4800 Part B: 350-400 Mixed: 2300-2900
Volatile Organic Compound (VOC) lb/gal (g/L)	ASTM D3960	Mixed: A+B 0.51 (61)	Mixed: A+B+C 0.41 (4.0)

CURED COATING PROPERTIES (DRY FILM)

Property	Test Method	Eco-EDE Results
Abrasion Resistance, mg loss* Taber Abraser	ASTM D4060	100-120
Coefficient of Friction (COF) James Friction Tester	ASTM D2047	0.50-0.55
Compressive Strength, psi (kPa)	ASTM D695	13,500 (93, 150)
Tensile Strength, psi (kPa)	ASTM C2370	8,000 (55,200)
Percent Elongation	ASTM D2370	5
Shore D Hardness	ASTM D2240	70-75 @ 0 sec 65-70 @ 15 sec
UV/Light Stability		Will turn yellow or amber over time

ELECTRICAL PROPERTIES

Property	Test Method	Results
Surface Resistance @ 100V (ESD Association)	ESD STM 7.1-2001	1.0x10 ⁵ --<1.0x10 ⁹
Body Voltage Generation (with ESD footwear)		<25 volts
Body Voltage Decay 5000V -- <50V (with ESD footwear)		<0.5 seconds
Resistance Through a Person (with ESD footwear)	ESD STM 97.1-1999	9.0x10 ⁷ ohms

APPLICATION CHARACTERISTICS

Property	Eco-MPE™ Results	Eco-EDP™ Results	Eco-EDE™ Results
Coverage Rate, ft ² /gal	53-535	325-500	20-32
Application Thickness, wet mils	3-30	3.2-5	50-80

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

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



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