

# ELECTRAGUARD HIGH GLOSS - ESD EPOXY FLOORING

## Mission Critical Static Control for ESD Compliance

**You'll never find a better hard surface ESD Floor for the money.**

- ▶ Compliant to the latest ANSI/ESD Standards, TR-53 friendly, pass ESD Audits with EASE
- ▶ Ten year life expectancy
- ▶ Lifetime warranted static control properties
- ▶ Excellent for new construction – handles high concrete vapor emissions with ease
- ▶ For use on concrete, VCT, asbestos laden tile, wooden crates, sheet vinyl and more
- ▶ **ULTIMATE Mission Critical Static Control!**



The ElectraGuard ESD Epoxy Flooring System meets the latest ANSI ESD S 20.20-2014 standards. It's warranted for life time static conductivity and features a 10 year life expectancy. ElectraGuard installations are seamless (with proper preparation of the concrete). ElectraGuard handles heavy loads and is resistant to high concrete vapor emissions (the number one cause of ESD Tile and thick set epoxy failures). ElectraGuard is made in the U.S.A! Unlike mere latex or other one part epoxy

floor paints that may last a year or two the ElectraGuard High Gloss System provides outstanding longevity in concert with stellar static control performance!

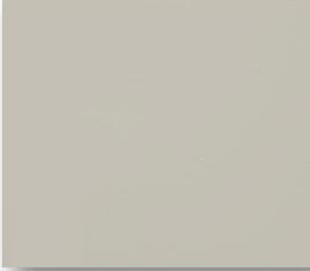
The system consists of 3 coats of ElectraGuard followed by 2 thin coats of ElectraThane Urethane followed by one thin coat of ElectraGlaze Anti-Static floor finish. The ElectraGlaze acts as a sacrificial coating allowing the scuff marks to be easily removed with a light high speed burnishing. The ElectraGuard High Gloss System is designed for ultimate performance in demanding mission critical applications. It has an 18 year, proven track record of clients that are experiencing a ten year or greater service life.

The system is well suited for application on a variety of substrates including concrete, existing well bonded VCT, wooden crates, asbestos laden tiles, many sheet vinyl's and more. The ElectraGuard High Gloss ESD Floor Paint System is extremely cost effective when compared to thick set epoxy and ESD tiles. Its range of electrical conductivity insures an exceptional interface with mobile items in the ESD program such as carts and personnel. ElectraGuard does not contain carbon; hence it is extremely clean and provides one of the lowest tribocharging characteristics of any flooring product on the market.

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## Available Colors (unsealed)

 <p><b>EG-Light Gray</b></p>	 <p><b>EG-Medium Gray</b></p>
 <p><b>EG-Black Ice (40 gallon min map apply)</b></p>	 <p><b>EG-Beige</b></p>
 <p><b>EG-Blue (40 gallon min. may apply)</b></p>	 <p><b>EG-Emerald (40 gallon min. may apply)</b></p>

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**TYPICAL ELECTRICAL PROPERTIES SEALED (fully cured)\***  
**Sealed with 2 thin coats of ElectraThane and 1 thin coat of**  
**ElectraGlaze**

ITEM	STANDARD TEST METHOD	SEALED ELECTRAGUARD
Electrical Resistance, Surface to Surface (PTP)	ANSI-ESD STM7.1 -2013, EN1081, IEC61349-5-1. Tested @ 100 V / 10 V, 12% / 45% rH, results in ohm	>1.0E05 <1.0E07
Electrical Resistance Surface to Ground (RTG)		>1.0E05 <1.0E07
Electrostatic Propensity	AATCC 134-2001 / EN 1815 result in kV	<.5 PASS
Combination resistance of technician, heel grounders and flooring	ANSI ESD S20.20-2007 97.1	<3.5E07 Ohms. PASS
Static Decay	MIL-STD 3010C, Method 4046 at 12% Relative Humidity (formerly FED-STD 101C, Method 4046)	< .3 sec
Tribogeneration	ANSI ESD S20.20-2014, 97.2	Does not exceed 100 volts. PASS (typical <5 volts +/- polarity)

\* Please Note: The above readings are reflective of three coats applied to concrete and allowed to cure for a 2 week period prior to testing. Other substrates (such as steel, wood, highly insulative ceramics and epoxy), ambient humidity, grounding techniques and coating thickness may alter your final results. Always pretest the coating to your internal specifications in a small inconspicuous area prior to full scale application. Resistance values may be easily adjusted upwards with additional coats of ElectraThane to allow the system to fall in the static dissipative range of >1.0E06 and <1.0E09.

**DISTRIBUTED BY**

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**New!** Maintain the "look" of your ESD flooring throughout your entire facility! ElectraGuard NC (not for static control) at a cost of approximately \$0.50 psf!

**Nuances of ElectraGuard:** ElectraGuard Flooring is a thin set epoxy applied using paint rollers. As such, minor deviations in thickness, texture, color and shading may be present in the coating. Deviations in the concrete profile may shadow through any thin set epoxy or floor paint as will the seams between tiles (if applied to standard VCT). United recommends the use of Titanium 2 mm thick ESD chair mats in front of the workstation to protect any esd flooring from chair caster damage. Visit the full warranty for details

Dye Lots may vary. For best results place your order for the entire amount needed for the current project plus possible future expansions. Prior to opening the pails check dye lots and materials against your purchase order. The shelf life of the product is 2 years when stored indoors and in unopened containers at a temperature of 60 to 80 degrees F. ElectraGuard as applied does not have a shine. It is a low glare matte finish. For a high shine finish, top coat with the ElectraThane and ElectraGlaze.