EPX-ESD

ELECTROSTATIC DISSIPITIVE SOLID COLOR SYSTEM

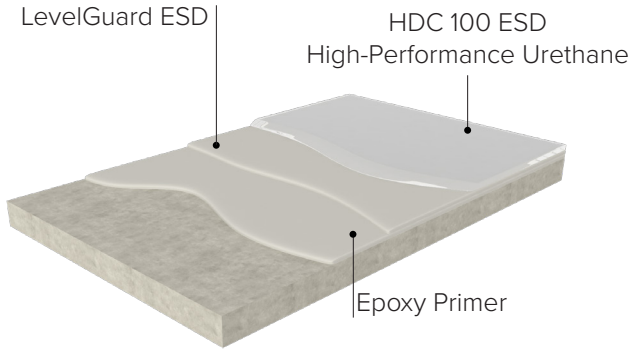
Resinwerks EPX-ESD is a seamless electrostatic dissipative (ESD) flooring system engineered to control and safely dissipate static electricity in electronics manufacturing facilities, data centers, clean rooms, laboratories, healthcare environments, and other static-sensitive applications. The system incorporates a 100% solids epoxy primer, ESD body coat, and ESD topcoat to deliver permanent electrostatic control while providing exceptional durability, chemical resistance, and long-term performance. Utilizing advanced carbon nanotube technology, EPX-ESD achieves superior conductivity, excellent film quality, and consistent electrical performance throughout the life of the flooring system.

Applications

- Data Centers
- Electronics Manufacturing
- Clean Rooms
- Medical facilities
- Server Rooms
- Plastics Manufacturing

Features:

- Excellent film quality
- Dissipative: 10^6 – 10^9 Ω
- Low odor & minimal voc
- Abrasion resistant
- UV Resistant
- Self-Leveling, Thick-Build



SYSTEM COMPONENTS	
PRIMER OPTIONS @ 6-20 MILS	
Vapor Barrier Epoxy	100% solids moisture mitigation primer
WBE 500	41% solids water-based penetrating primer
LevelGuard EP	100% solids epoxy primer
Rapid H2O™ EP	40% solids fast-cure water-based primer
ESD EPOXY MID-COAT @ 12 MILS	
LevelGuard™ ESD	100% Solids Pigmented Epoxy
ESD TOPCOAT @ 4 MILS	
HDC 100 ESD Urethane	High-Wear Urethane

GENERAL SYSTEM PERFORMANCE		
PHYSICAL PROPERTIES		
Available Colors	Smoke Grey, Flint Grey	
Finish	Matte to Satin / Slight Orange Peel Finish	
TEST TYPE		RESULT
Compressive Strength	ASTMC 695	9,250 PSI
Water Absorption	ASTMD 570	< .1%
Adhesion Pull-Off	ASTMD-4541	+500 PSI concrete fracture
Elongation / Tensile	ASTMD 307	1200 psi
Flexural Strength	ASTMC 580	2500 psi
Static COF	ANSI B101.1	>0.6
Dynamic COF - Wet	ANSI A326.3	>0.42
Abrasion Resistance	ASTMD 4060	> 16 mg loss

ESD ELECTRICAL PERFORMANCE - FULL SYSTEM (includes primer + HDC-100™ Topcoat)

ESD PERFORMANCE	SYSTEM MEASURED RANGE	CLASSIFICATION	STANDARD
Resistance to Ground-able Point	8.0×10^6 – 6.0×10^7 Ω	Static Dissipative	ANSI/ESD STM7.1 / ASTM F150
S20.20 Program Requirement	$< 1.0 \times 10^9$ Ω	✓ Pass	ANSI/ESD S20.20-2021
Body Voltage Generation (walking)	< 100 V peak	✓ Compliant	ANSI/ESD STM97.2
RTG Test Voltage Applied	100 VDC	Dissipative range	ASTM F150 / STM7.1

ESD APPLICABLE STANDARDS - FULL SYSTEM (includes primer + HDC-100™ Topcoat)

Standard	Description	Status
ANSI/ESD S20.20-2021	ESD Control Program Standard. RTG < 10^9 Ω; body voltage < 100 V.	✓ Compliant
ANSI/ESD STM7.1	Floor resistive characterization — RTG and RPP test methodology.	✓ Applied
ASTM F150	Electrical resistance — resilient flooring. Dissipative: 10^6 – 10^9 Ω.	✓ Confirmed

RESINWERKS™ FLOOR COATING SYSTEMS