Ground Zero Electrostatics
DUROSTAT SMT ESD TILES

DUROSTAT SMT ESD VINYL TILES

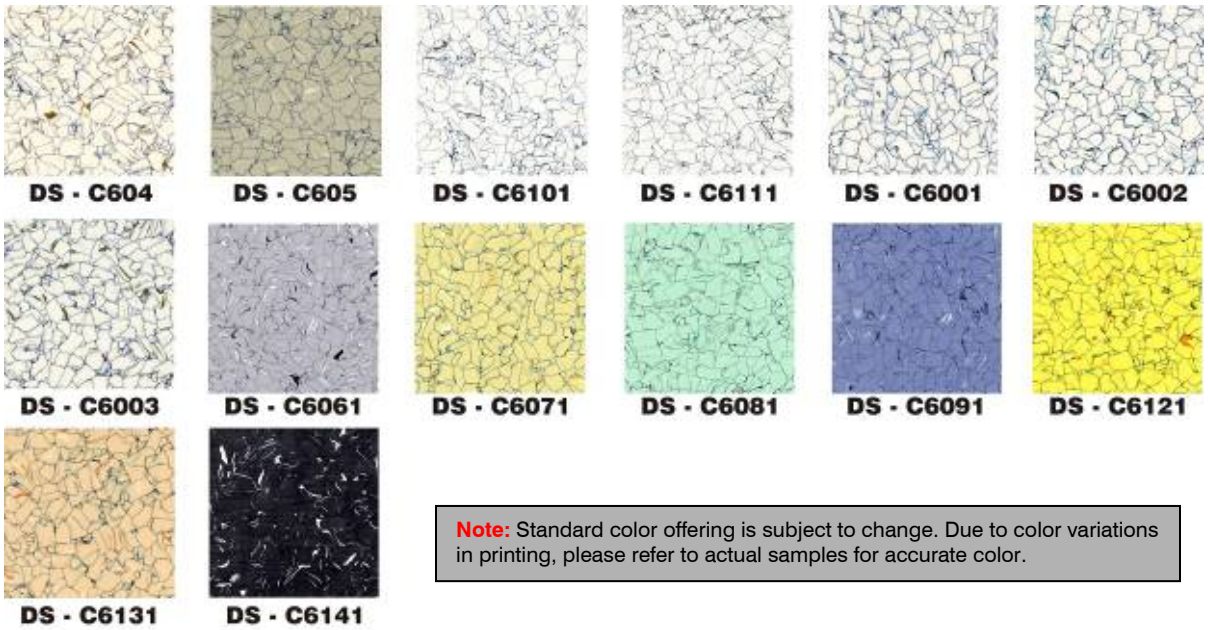
Shine, Versatility, and Performance are synonymous with DuroStat SMT Premium ESD tiles. Utilizing an advanced vinyl composition, featuring permanently conductive micro encapsulated conductive fillers and a proprietary high shine finishing technique. This material provides the utmost in performance and aesthetics.

Are you concerned with the maintenance required to keep your ESD floor looking good? Are you tired of seeing standard ESD flooring covered with black heel scuff marks? Then DuroStat SMT is the answer for you. Experience the DuroStat SMT difference without sacrificing the flexibility you may need for your project. DuroStat SMT offers options in conductivity, thickness, color, shine and even size. Our unique, high bond, water-based, permanently conductive adhesive is included at NO CHARGE on large volume orders.

- Excellent Shine and aesthetics
- Low to no maintenance (no wax)
- Premier anti-scuff properties
- Excellent electrical properties
- Options in conductivity
- Options in size, thickness and shine
- Conductive adhesive at NO charge on large volume orders.

This easy-to-use adhesive features the ultimate in electrically consistent conductivity with excellent bond strength. It cleans easily with soap and water. There is no more time consuming mixing required with the black epoxy based adhesives, typical of many “standard” ESD tiles (and no more problem causing variables either). The DuroStat SMT / High bond adhesive system makes for a quick, clean installation similar to that of standard vinyl tiles.

COLORS



Note: Standard color offering is subject to change. Due to color variations in printing, please refer to actual samples for accurate color.

4916 26th Street West, Suite 100, Bradenton, Florida 34207
Toll Free 877-GND-ZERO (463-1376), **Direct Phone** 941-751-7581 **Fax** 1-941-751-7586
Email sales@gndzero.com
http://www.gndzero.com

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SPECIFICATIONS

ITEM		Standard test Method	ASTM Spec	Conductive Tile	Static dissipative Tile
ELECTRICAL / ELECTROSTATIC PROPERTIES					
	Electrical Resistance -Surface to Surface	ESD S 7.1 (100V) ASTM F-150 (100V) NFPA 99 (500V) DIN 51953 (500V)	2.5 X 10^4~10^6 Ω (SD: 10^6~10^9)	2.5 X 10^4~10^6	10^6~10^8
	-Surface to Ground		<2.5 X 10^4~	<2.5 X 10^4~	
	Electrostatic Propensity (=Static Generation)	ESD STM 97.2	-	Less than 20 volts	Less than 20 volts
	Static Decay	Federal Test Method 101B Method 4046 at 15% Relative Humidity	< 0.5 sec	0.01 sec	0.01 sec
OTHER PROPERTIES					
	CEN Classification	DIN EN 685		Class 34 + 43	
	Composition of Material	ASTM F 1700 Certificate of Compliance		Homogeneous	
	Thickness	ASTM F 386, DIN EN 428	as specified ±0.005 in. (0.13mm)	.118", 3mm	
	Nominal Sizes	ASTM F 536, DIN EN 427	±0.016 in./lin. Ft (0.4mm/304.8 mm)	12" x 12"	
	Squareness	ASTM F 540	maximum 0.010 in. (0.25 mm)	<0.010"	
	Residual Indentation	ASTM F1914 DIN EN 433	average less than 8%, max. single reading 10%	< 7%	
	Flexibility	ASTM F 137	no crack or break	No crack or break	
	Dimensional Stability	ASTM Fed. Std. No. 501a Method 6211, DIN EN 434	<0.020"/ft (0.51 mm/304.8 mm)	<0.015"/ft	
	Resistance to Chemicals	ASTM F 925 DIN EN 423	No more than a slight change in surface dulling, surface attack or staining	no more than a slight change in surface dulling, surface attack, or staining	
	Resistance to Heat	ASTM F 1514	Δ<8 ave., max	<ΔE=2.0	
	Resistance to Light	ASTM F 1515	ΔE<8 ave., max	<ΔE=6.0	
	Static Load Limit	Modified ASTM F 970-00	-	2,500 psi	
	Smoke Density	ASTM E 662	<450	<450	
	Flame Spread	ASTM E 84, NFPA 225	<75	<75	

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	Fire Resistance	DIN 4102		B1
	Critical Radiant Flux	ASTM E 648, NFPA 253		>1.08 W/cm^2(class I Interior Floor Finish, NFPA Life Safety code 101)
	Abrasion Resistance	ASTM D 1044, CS-10-F Wheel, 500Gm Weight		Cycle 10,000 % Gauge Loss 1.60
	Resistance to Wear	DIN EN 660-1		M
	Effect of Castor Chair	DIN EN 425		No Damage
	Color Fastness	ISO 105 B02		At least 6
	Standard for Health Care Faculties	NFPA 99		Confirms to the requirements of NFPA 99 in effect at the time of installation
EN649	Fulfils product requirements	DIN EN 649		yes
	Underwriters Laboratories	UL 779		Meets UL Standard
WARRANTY				
	Free from defects in Workmanship and materials*			Ten Years
	Conductivity*			Lifetime

CHEMICAL RESISTANCE

1 Hour Exposure Time	
Sulfuric Acid (Conc.) 95%	No effect
Sulfuric Acid (77%)	No effect
Sulfuric Acid (5%)	No effect
Nitric Acid (Conc.)	Very slight surface attack
Nitric Acid (5%)	No effect
Hydrochloric Acid (Conc.)	No effect
Hydrochloric Acid (5%)	Very slight surface attack
Acetic (Conc.)	No effect
Acetic (5%)	No effect
Sodium Hydroxide (50%)	No effect
Ammonium Hydroxide (28%)	No effect
Methyl Alcohol	No effect
Ethyl Alcohol	No effect
Butyl Alcohol	No effect
Phenol	Very slight surface attack
Benzene	No effect
Xylene	No effect
Cresol	Very slight dulling
Gasoline, Mineral Oil	No effect
Chloroform	No effect
Carbon Tetrachloride	No effect
Trichlorethylene	No effect
Acetone	No effect
Methyl Ethyl Ketone	Slight surface dulling
Amyl Acetate, Ethyl Acetate	No effect
Silver Nitrate (40%)	Slight brown stain
Ethyl Ether	No effect
Formaldehyde (40%)	No effect
Iodine	Yellow stain

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