

VPI ESD CONTROL VINYL TILE PERFORMANCE PROPERTIES



CONDUCTILE® & STATMATE™



CONDUCTILE LE® & XLE® & STATMATE LE™ & XLE™



COMMON PROPERTIES

PROPERTY	CONDUCTILE®	STATMATE™
ELECTRICAL / ELECTROSTATIC PROPERTIES		
Resistive Characterization of Materials – Floor Materials (ESD S7.1)	Conforms	
Electrical Resistance (ASTM F 150)	Point to Point: $2.5 \times 10^4 \Omega$ to $10^6 \Omega$ Point to Ground: $>2.5 \times 10^4 \Omega$	Point to Ground: 10^6 to $10^8 \Omega$
Electrostatic Propensity (AATCC-134)	< 12 Volts	< 30 Volts
Static Decay (Federal Test Method 101C, Method 4046 at 15% Relative Humidity)	5,000 to 0 Volts in < 0.01 seconds	5,000 to 0 Volts in < 0.2 seconds
OTHER PROPERTIES		
ASTM F 1700	Passes	
Underwriters Laboratories	Meets UL Standard	
NFPA Life Safety Code 101	Class I Interior Floor Finish	
Critical Radiant Flux (ASTM E 648)	$> 1.08 \text{ W / cm}^2$	$> 1.03 \text{ W / cm}^2$
Smoke Density (ASTM E 662)	< 450	
Flame Spread (ASTM E 84)	< 75	
Static Load Limit (Modified ASTM F 970-93)	2,500 psi	
CONSTRUCTION		
Composition	Homogeneous solid vinyl tile that has encapsulated conductive elements of the carbon family distributed throughout the tile.	
Gauge	1/8"	
Nominal Sizes	12" x 12" , 24" x 24" , 36" x 36" Custom Sizes Available	
INSTALLATION		
Adhesive & Spread Rate	#150 Conductive Epoxy Adhesive; Covers 150 square feet / gallon	
Trowel Size*	Type one: 1/16" x 1/16" Square Notch with 1/16" Flats Type two: 1/16" x 1/16" Half Circular Notch with 1/32" Flats	
Grounding	One 2" x 24" Copper Strip Installed Every 2,000-2,500 feet.	
WARRANTY		
Electrical	Five Years	
Free from defects in workmanship and materials	One Year	
CONDUCTILE & STATMATE LE & XLE LOW OUTGASSING PROPERTIES		
For Conductile LE & Statmate LE only. TML and CVCM from outgassing in a vacuum environment (ASTM E 595-98)	Nearly 50% reduction in outgassing when compared to DOP containing products.	
For Conductile XLE & Statmate XLE only. TML and CVCM from outgassing in a vacuum environment (ASTM E 595-98)	< 1% total mass loss & over a 98% reduction in collected volatile condensable materials when compared to DOP containing products.	

*Trowel size selection is dependent upon tile size, subsurface type and condition.

Please refer to VPI's installation instructions for proper trowel size selection.

** VPI's Exclusive Warranty is valid only when tile is installed with VPI #150 conductive adhesive.