

Performance Properties



ESD Static Control Tile

CONDUCTIVE FLOORING

Technical Service: (800) 874-4240

GAUGE (thickness)	1/8" (3mm)										
SIZE (in inches)	12" x 12" 24" x 24" and 36" x 36" 24" x 24" and 36" x 36" can be pre-grooved for seamless floor										
COMPOSITION	Homogeneous solid vinyl tile with encapsulated conductive elements distributed throughout the structure.										
ANSI ESD S7.1 Resistance of Flooring Materials	Conductile® used in conjunction with VPI adhesives very consistently meets S7.1 requirements. Result averages are summarized as follows: <table border="0"> <tr> <td></td> <td style="text-align: right;"><u>Resistance (Ohms)</u></td> </tr> <tr> <td>Conductile & VPI 165 Adhesive, to Ground</td> <td style="text-align: right;">2.1 X 105</td> </tr> <tr> <td>Conductile & VPI 165 Adhesive, Point to Point</td> <td style="text-align: right;">3.5 X 105</td> </tr> <tr> <td>Conductile & VPI 150 Adhesive, to Ground</td> <td style="text-align: right;">3.9 X 105</td> </tr> <tr> <td>Conductile & VPI 150 Adhesive, Point to Point</td> <td style="text-align: right;">5.8 X 105</td> </tr> </table> Data demonstrates that Conductile® used in conjunction with VPI adhesives very consistently meets S7.1 requirements for a conductive ESD flooring. (Test data available upon request).		<u>Resistance (Ohms)</u>	Conductile & VPI 165 Adhesive, to Ground	2.1 X 105	Conductile & VPI 165 Adhesive, Point to Point	3.5 X 105	Conductile & VPI 150 Adhesive, to Ground	3.9 X 105	Conductile & VPI 150 Adhesive, Point to Point	5.8 X 105
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NFPA 99 Standard for Health Care Facilities	Passes										
NFPA 101 Life Safety Code	Passes										
AATCC 134 Electrostatic Propensity	< 12 Volts with conductive shoes										
ANSI/UL 779 Electrically Conductive Floor Covering	Meets UL Standards										
ASTM E84 Fire Resistance (Steiner Tunnel)	<75 (Class II)										
FED STD 101C Static Decay, Method 4046 at 15% RH	5000 - 0 Volts in < 0.01 Sec.										
ASTM E648 Critical Radiant Flux CRF (W/cm2)	>1.08 W/cm2 (NFPA 253 Class 1)										
ASTM F150 Electrical Resistance	Point to Point or Point to Ground 25,000 - 1,000,000 ohms										
ASTM F925 Chemical Resistance	Excellent (Acids, Alkalis, Household, Chemicals)										
ASTM F970 Static Load	<.001" RI after 24hrs @ 250 psi (1.125" diameter foot) 2,500 psi @ .005" RI after 24 hrs (.05" diameter foot)										
ASTM F1700 Solid Vinyl Floor Covering Materials	Conforms										
Grounding Materials Supplied with the Order	One 2" x 24" copper strip installed every 2,000 - 2,500 sq. ft.										
Adhesive and Spread Rate	VPI 150 2 Part Epoxy Adhesive 0 VOC Content <i>Nominally 135 Sq.ft/gal but will vary due to application & substrate variables</i> VPI 165 1 Part Acrylic Adhesive 0 VOC Content <i>Nominally 135 Sq.ft/gal but will vary due to application & substrate variables</i>										
Trowel Size	Please refer to Installation & Maintenance Instructions										
WARRANTY (See actual VPI WARRANTY for details)	25 year wear / 75 year workmanship & materials										
Electrical Performance	Life Time Warranty										
MAINTENANCE (See Installation & Maintenance Instructions for details)	No wax required.										

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