

## StaticSmart® LAN 4.2 Series

## Level 2 ESD Carpet Tile

### PHYSICAL PROPERTIES

<b>Construction</b>	Tufted
<b>Texture</b>	Multi-Level Pattern Loop
<b>Gauge</b>	1/10
<b>Density</b>	5,586
<b>Recycled Content</b>	45%
<b>Stitches per Inch</b>	12.0
<b>Average Pile Height</b>	0.116 inch (2.95 mm)
<b>Fiber</b>	Premium Branded ECO Solution Q Nylon
<b>Dye Method</b>	100% Solution Dyed
<b>Conductive Fiber Technology</b>	Continuous Conductive StaticSmart Monofilament
<b>Tufted Yarn Weight</b>	18 oz. per sq. yd. (610.32 g/m <sup>2</sup> )
<b>Standard Size</b>	24" x 24" (60.9 cm x 60.9 cm)

#### Installation Method



<b>Primary Backing System</b>	Non-Woven Synthetic
<b>Secondary Backing System</b>	EcoWorx® Backing 100% PVC-Free, Phthalate-Free, Recyclable and made from Recycled Material
<b>Protective Treatments</b>	ssp® Shaw Soil Protection
<b>Indoor Air Quality</b>	Green Label Plus Certification
<b>Cradle to Cradle Certification™</b>	Silver Level
<b>Flammability</b>	<b>ASTM E-648</b> Flooring Radiant Panel - Class 1
<b>Smoke Density</b>	<b>ASTM E-662 NBS</b> Less than 450
<b>TARR</b>	Severe Duty: >3.5
<small>(Texture &amp; Appearance Retention Rating)</small>	
<b>Warranty</b>	Lifetime Static Protection Lifetime Limited Commercial Warranty
<b>Availability</b>	No Minimums
<b>Packaging</b>	12 tiles per carton / 5.33 sq. yd.

### STATIC CONTROL PROPERTIES

<b>Electrostatic Propensity</b>	<b>ESD STM 97.2</b> (w/ Conductive Footwear) — Less than 20 V <b>AATCC 134-06</b> (w/o Conductive Footwear) — Less than 0.4 kV (400 volts)
<b>Electrical Resistance</b>	<b>ESD S7.1/NFPA 99</b> Resistive/Resistance Characterization of Materials: <b>RTT</b> Six or more readings between points placed 3 feet apart. Tested with an applied voltage of 100 V. Measured in ohms, 2.5 x 10 <sup>4</sup> Minimum, 1.0 x 10 <sup>8</sup> Maximum. <b>RTG</b> Six or more readings from surface to groundable point. Tested with an applied voltage of 100 V. Measured in ohms, 2.5 x 10 <sup>4</sup> Minimum, 1.0 x 10 <sup>8</sup> Maximum  Static Dissipative: 1.0 x 10 <sup>6</sup> Minimum ohms, 1.0 x 10 <sup>9</sup> Maximum ohms
<b>Electrical Resistance / Voltage Test Footwear/Flooring System per ANSI/ESD S20.20-2014</b>	Compliant when using approved footwear. Results within required limits: < 1 x 10 <sup>9</sup> ohms and < 100 volts <b>Roller Caster Electrical Test (CET) Assessment:</b> After 100,000 Chair Caster Cycles there was no appreciable change in conductivity or electrical performance. Lab data available on request.
<b>Groundable Path</b>	StaticSmart Ground Strip or RTG Connector Kit
<b>Grounding Frequency</b>	1 per 1,000 sq. ft.
<b>Adhesive Requirement</b>	StaticSmart SDT+ Conductive Adhesive