

StaticSmart® LAN 4.0 Series

Level 2 ESD Carpet Tile

PHYSICAL PROPERTIES

Construction	Tufted
Texture	Multi-Level Pattern Loop
Gauge	1/10
Density	6,637
Recycled Content	42.1%
Stitches per Inch	8.7
Average Pile Height	0.093 inch (2.36 mm)
Fiber	Premium Branded ECO Solution Q Nylon
Dye Method	100% Solution Dyed
Conductive Fiber Technology	Continuous Conductive StaticSmart Monofilament
Tufted Yarn Weight	22 oz. per sq. yd. (745.93 g/m2)
Standard Size	24" x 24" (60.9 cm x 60.9 cm)

Installation Method



monolithic

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

STATIC CONTROL PROPERTIES

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