

ESD SPECIFICATIONS

ShadowFX Patterns and Solids

Conductive Fiber	Staticworx Helix 44 Denier Conductive Fiber.
kV Rating	AATCC 134-1996 electrostatic propensity: less than 0.4 kV (400 volts). Tested at 12% relative humidity at 20°C and 70°F.
Body Voltage Generation (BVG) Per ANSI/ESD S97.2	Voltage on person in combination with grounded carpet tile < 50 volts. Meets ANSI/ESD S20.20-2007 requirements for use in EPAs in electronics manufacturing.
ESD S7.1/NFPA 99 Resistance Characterization of Materials	Nine or more readings from surface to groundable point. Tested with an applied voltage of 100V. Measured in OHMs, $1.0 \times 10^6 - 1.0 \times 10^8$.
ESD S7.1/NFPA 99 Resistive Characterization of Materials	Nine or more readings between electrodes placed 1 foot apart. Tested with an applied voltage of 100V. Measured in OHMs, $1.0 \times 10^6 - 1.0 \times 10^8$. Meets Motorola R56 and ATIS-0600321 for use in telecommunications applications. Meets FAA STD 0196 for use in flight control applications.
Electrical Resistance/Voltage Test ANSI/ESD S-20.20	Approved for use in EPAs in electronics manufacturing with approved footwear system. Results within recommended range < 35×10^6 OHM or < 100 volts.
D.O.D. HDBK263A, Section 40.1.2	Meets recommended guidelines for sensitive ESD devices, Class 1.
Roller Caster Electrical Test (CET)	Product meets ANSI/ESD S20.20 after 125,000 cycles.
Groundable Path	Copper ground strip.
Grounding Frequency	1 per 1,000 sq. ft.
Backing Systems	Permanent static-dissipative backing.
Adhesives	Use only Staticworx-approved conductive adhesives. GroundTack pressure sensitive. GroundWise corner pads for adhesive-free installations over raised access floors.

ADDITIONAL SPECIFICATIONS

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Product Specifications	SHADOWFX PATTERNS	SHADOWFX SOLIDS
Country Manufactured	United States	United States
Product Construction	Tufted Textured Loop	Tufted Textured Loop
Soil/Stain Protection	Protekt ² ®	Protekt ² ®
Antimicrobial Treatment	(AATCC 138 Washed) (AATCC 174 Parts 2&3) Intersept®	(AATCC 138 Washed) (AATCC 174 Parts 2&3) Intersept®
Yarn System	Type 6,6 Nylon Type 6 Nylon	Post-Consumer Content
Yarn Manufacturer	Universal	Aquafil
Dye Method	100% Solution Dye	100% Solution Dye
Post-Industrial	48% – 48%	57% – 57%
Post-Consumer	1%	5%
Total Recycled Content	49% – 49%	62% – 62%
Tufted Yarn Weight	18 oz/yd ²	24 oz/yd ²
Machine Gauge	½ in	½ in
Pile Height	.12 in	.2 in
Pile Thickness	.074	.149
Stitches	8/in	10/in
Pile Density	6810	5799
Size	24 in x 24 in	24 in x 24 in
Performance Specifications	SHADOWFX PATTERNS	SHADOWFX SOLIDS
Indoor Air Quality	Green Label Plus Certified	Green Label Plus Certified
Sustainable Carpet Assessment Standard	NSF-140 Gold	NSF-140 Gold
Radiant Panel	(ASTM E-648) Class 1	(ASTM E-648) Class 1
Smoke Density	(ASTM E - 662)	(ASTM E - 662)
Lightfastness	(AATCC 16 - E)	(AATCC 16 - E)
Standard Backing	Staticworx Dissipative Backing®	Staticworx Dissipative Backing®