

Antistatic carpet tile that covers it all — no more guess work regarding dissipative versus conductive. The only carpet tile designed for both electronics manufacturing and around powered equipment in end-user environments, it's specifically designed to meet **GroundSafe**<sup>®</sup> criteria for use around operational electronics, computers and telecommunications equipment.

## SHADOWFX PATTERNS

### Stock Colors



4109 Forest Floor 24"



4111 Santa Fe Sunset 24"

### Non-Stock Colors



4110 Lake Tahoe 24"



4112 Appalachian Trail 24"

# ShadowFX™ Patterns Carpet Tile

## SPECIFICATIONS

**Construction:** Tufted textured loop

**Yarn weight:** 18 oz./sq. yd. (813.76 g/sm)

**Stitches per inch:** 8.0

**Pile height:** 0.12"

**Yarn system:** Universal type 6.6 nylon, 100% solution dyed, stain protection

**Sizes:** 24" x 24"

**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:** Less than 50 volts: Meets ANSI/ESD S20.20 requirements for use in EPAs in electronics manufacturing.

### Electrical resistance:

**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 019e 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  $< 35 \times 10^6$  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) proven.** 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.

**Availability:** 500 yard minimum

### Flammability:

**ASTM E-648 flooring radiant panel** — Class 1 ( $\geq .45$  W/cm<sup>2</sup>)

**ASTM E-662 NBS smoke density** — less than 450

**Installation method:** Random non-directional

## ShadowFX Patterns - Carpet Tile

Specifically designed to meet GroundSafe Criteria for use around operational electronics, computers and telecommunications equipment, some attributes include:

- 24" by 24" tile size
- Tufted textured loop, type 6.6 - 100% solution dye nylon
- Mergeable dye lots assure commercial match whenever a tile is replaced
- 49% recycled content (48% post-industrial, 1% post-consumer)

### Meets the following standards:

- Motorola R56 : For use in 9-1-1 dispatch facilities
- FAA STD 019e: For flight control applications
- NFPA 99: For use in healthcare facilities
- ASTI-0600321.2010: For telecommunications rooms
- ANSI/ESD S20.20-2007: For electronics handling

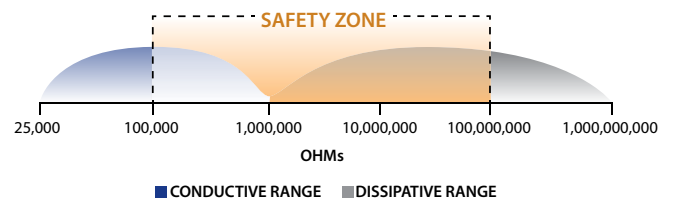
### Additional benefits:

- Lifetime static control
- Safe for use around operational telecommunications equipment
- Ideal for installation over bare concrete and raised access floors.
- Installs with releasable adhesives for easy removal and relocation
- Random placement non-directional pattern
- No need for adhesive over metal raised access panels
- Green Label Plus – Certified
- Can be cleaned like any standard carpet



*Green Label Plus is a voluntary industry testing program for carpet products that establishes the highest standard for indoor air quality (IAQ) ever set by the carpet industry. Tested by an independent, certified laboratory, carpets with this label meet stringent criteria for low chemical emissions.*

## Your "Sweet Spot" for Safe Conductivity



All Staticworx flooring is within the safe range shown here.

