

ESD FLOORING FOR ACCESS FLOORS

GroundSafe® Certified for FAA Facilities and Emergency E-9-1-1 Dispatcher Centers

24" Tile



Collections

ShadowFX Carpet Tile
Eclipse Rubber Tile
GroundLock Extreme -
Interlocking & Lay-Flat Tiles
AmeriWorx Vinyl



ESD FLOORING FOR ACCESS FLOORS

Sample options for field installations and factory-applied surfaces

24" Tile



1619 Huntington Ravine – SHADOWFX

0119 Appalachian Trail – SHADOWFX

1319 Forest Floor – SHADOWFX

1224 Presto – ECLIPSE RUBBER TILE

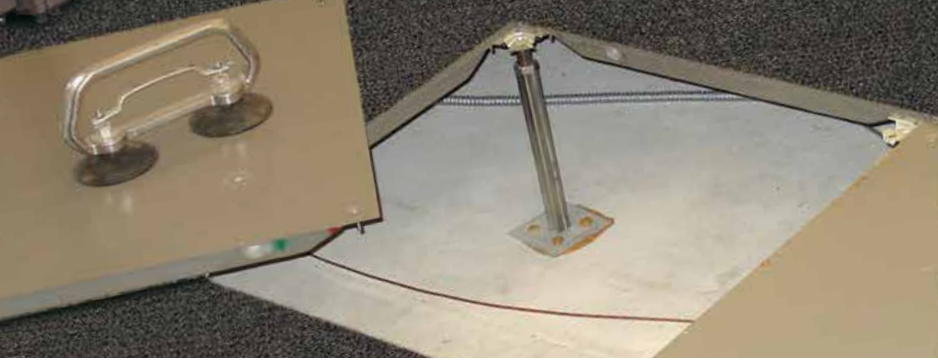
1124 Largo – ECLIPSE RUBBER TILE

Light Gray - GROUNDLOCK EXTREME

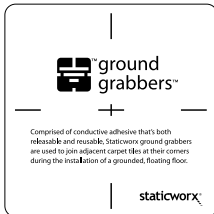
1912 Spring Snow– AMERIWORX VINYL TILE

Dark Gray - GROUNDLOCK EXTREME

AmeriWorx vinyl tile is available for factory installation.



Save time and labor: GroundSafe™ flooring systems that are as versatile as the raised access floor underneath.



GAIN QUICK ACCESS. REPOSITION TILE. DONE.

No digging up tiles trapped in tacky goo. Save time and money with quick access to panels and underfloor wiring. With TacTiles 3" adhesive squares, effortlessly reposition tiles, and enjoy easy maintenance by quickly replacing stained or damaged tiles. ShadowFX carpet tiles can be installed non-directionally without having to adhere to a pattern. Dimensionally stable, Staticworx tiles lie perfectly flat against floor panels—forming a consistently safe path to ground with the metal support structure of your raised access floor.

SHADOWFX + **ground grabbers** = **\$AVINGS**

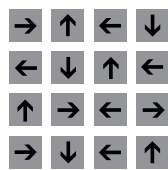
GLUELESS, GROUNDED, AND GREEN. With TacTile squares there is no need for adhesive, virtually eliminating VOCs (volatile organic compounds) installations anytime, anywhere—no need to relocate employees or to install flooring during odd hours. TacTiles have minimal impact on our planet, possessing less than 10% of the environmental footprint left behind by liquid adhesives.

STATIC-SAFE FLOORING WITHOUT THE NEED FOR SPECIAL FOOTWEAR



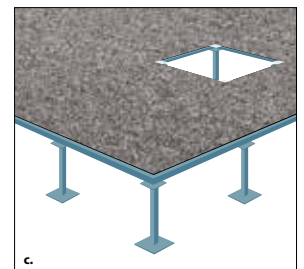
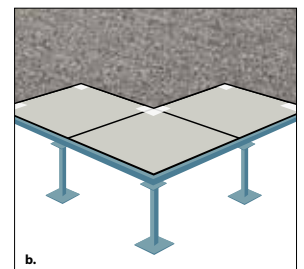
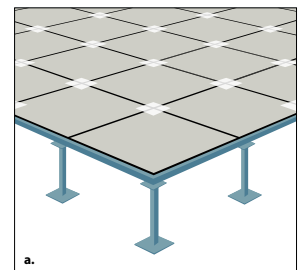
- The ShadowFX and Eclipse flooring lines dissipate static safely when employees are wearing ordinary, everyday footwear.
- Save money and the headaches that result in trying to implement and enforce protocols regarding the use of special footwear. Heal grounders and straps are not required.

RANDOM NON-DIRECTIONAL TILES CAN BE POSITIONED IN ANY DIRECTION



NON-DIRECTIONAL

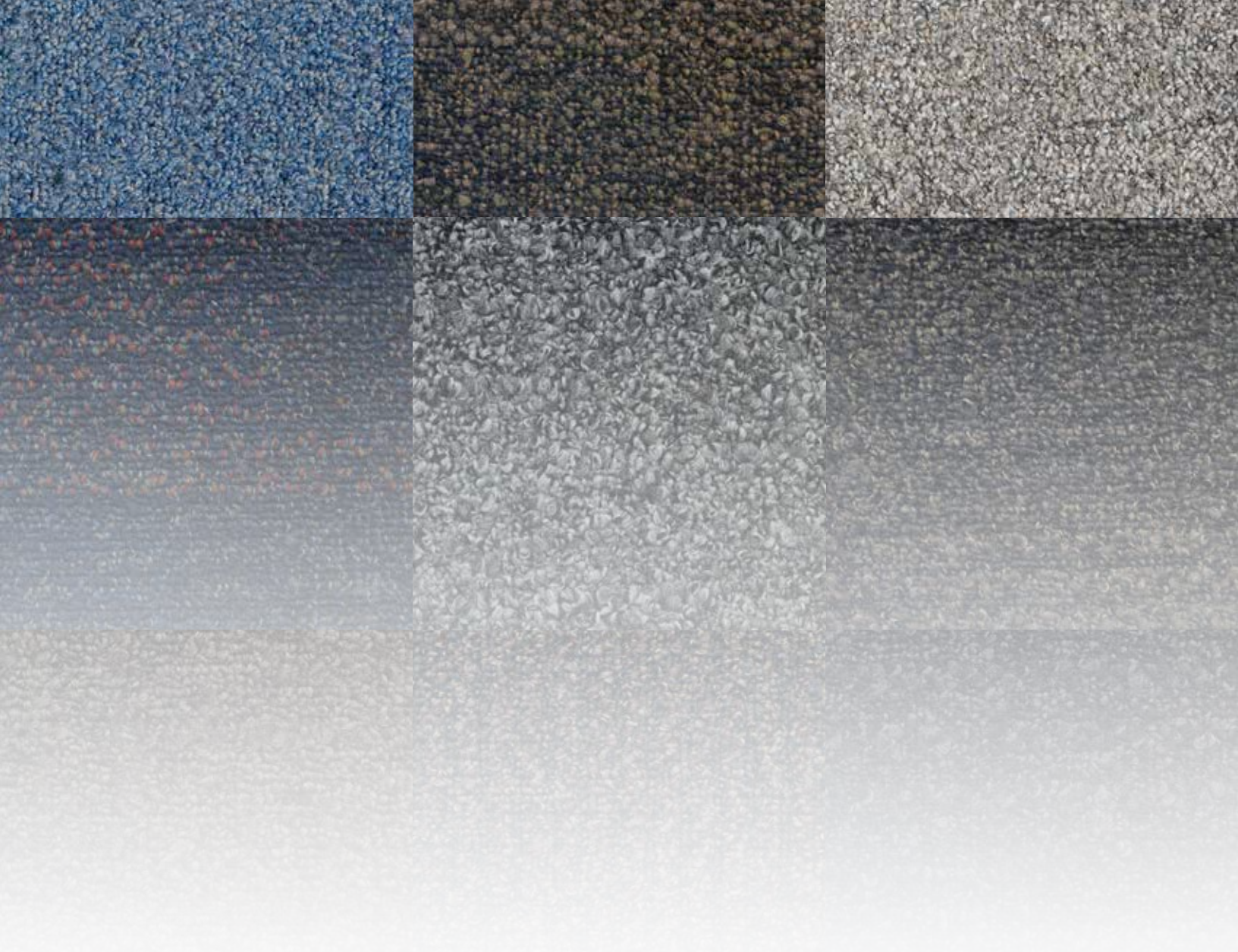
- Install non directional carpet tiles and rubber tiles without having to adhere to a designated layout pattern or direction.
- Pull up tiles to gain underfloor access and reposition tiles when finished — without having to match their original direction or orientation.



SIMPLE. NEAT. EASY ACCESS.
TacTiles are positioned at every corner joint (figs. a and b). Glue-free access — remove and reposition carpet tiles easily (fig. c).

COMPLIES WITH MOTOROLA R56, FAA 019f AND ATIS 0600321:2015. MEETS 911, FAA AND TELECOM SAFETY STANDARDS AND IBM DATA CENTER RECOMMENDATIONS.

A static-control floor should meet all pertinent industry grounding standards. Motorola R56 and ATIS O600321.2010 are considered the definitive guides to site grounding and electrical protection for communications environments. These standards define the best-practice resistance range for call centers, PSAPs, and flight towers - and both documents recommend at least 1 million ohms.



ShadowFX carpet tiles can be custom ordered as PosiTile®, allowing for a one-to-one match with Tate's ConCore® access floor panels.



The combination of Tate's PosiTile carpet module and Tate's ConCore access floor panel preserves the flexibility of the underfloor service distribution system and allows for the reuse of carpet tiles during layout changes. Tate's patented buttons can be ultrasonically-welded to the underside of Staticworx's ShadowFX carpet tile to provide precise indexed alignment with the four matching holes on the surface of Tate's ConCore® panel. Rearrange your work area quickly and easily, while protecting your workspace with Staticworx's ShadowFX carpet tiles.

ShadowFX™ Carpet Tile

SPECIFICATIONS

Construction: Tufted textured loop

Yarn weight: 24 oz./sq. yd. (813.76 g/sm)

Stitches per inch: 10.0

Pile height: 0.2"

Yarn system: Aquafil type 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/cm²)

ASTM E-662 NBS smoke density — less than 450

Installation method: Non-Directional (Patterns), Monolithic (Solids)

Eclipse Rubber Tile

SPECIFICATIONS

Tile size: 24" x 24"

Sheet size: 4' x 39.8'

Material thickness: 2 mm

Conductivity Warranty: Lifetime conductivity per guidelines of ANSI/ESD S20.20.

Standard: ASTM F 1344, for solid color homogeneous tiles and through-mottled tiles as applicable

Abrasion Resistance: Taber abrasion test, ASTM D 3389, H-18 wheel, 500 gram load, 1000 cycles, gram weight loss not greater than .70

Hardness: ASTM D 2240, Shore A, not less than 85

Slip Resistance: Static coefficient of friction (James Test): ASTM D 2047, equal to or greater than 0.6, ADA guidelines compliance

Asbestos-Free: Products shall contain no asbestos.

Flammability: ASTM E 648; NFPA 253; NBSIR 75 950 result to be not less than 0.45 watts per square centimeter, Class 1

Smoke Density: ASTM E 662, NFPA 258, NBS smoke density, less than 450

Burn Resistance: Solder burn resistant

Halogen-Free: Products shall contain no halogens

PVC-Free: Products shall contain no poly-vinyl-chloride

Conductivity: 50,000 ohms to 1,000,000 ohms (1.0×10^6) resistance to ground when tested according to ASTM F150 and ESD.S7.1 under $>30\%$ relative humidity at room temperature

Decay Time: .025 seconds for Staticworx when tested according to FTM 4046 101

Static Generation: <20 volts when tested according to ESD STM 97.2

System resistance: $< 1.0 \times 10^6$ per ANSI/ESD STM 97.1 with conductive footwear (meets or exceeds recommended guidelines of ANSI/ESD S20.20)



24" ShadowFX Carpet Tile and Eclipse Rubber Tile are available in 24" Carpet Tile.