



esd

The effects and annual losses attributed to electrostatic discharge (ESD) are estimated to run into the billions of dollars just in the electronics industry alone. To control the static charge, FLEXCO® combines conductive or dissipative vinyl tile with a specially formulated conductive adhesive. This creates a conductive pathway which allows the static to flow through the tile and along the adhesive to the ground point. That makes FLEXCO® ESD static control vinyl flooring an effective first-choice solution to control unwanted human body voltage in areas where mobility cannot be restricted by wrist straps. May contribute to LEED® CI and NC credits MR 4, MR 5 and MR 6.

how the FLEXCO® esd static control system works

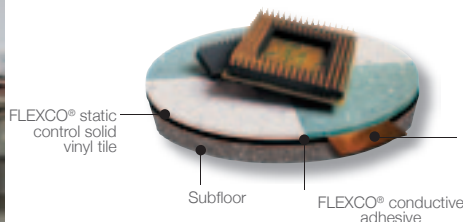
Static electricity is conducted from the surface of the flooring through conductive elements distributed within the tile. FLEXCO®'s conductive adhesive creates an excellent electrical continuity to a ground point. Grounding can be accomplished by placing a copper strip in the wet adhesive (1" strip approx. every 2,000 sq. ft. or 1 strip per room), extending it beyond the perimeter and permanently connecting it to the ground point.

low outgassing logic™ tile

For extreme clean room applications, the logical choice in low outgassing ESD flooring, the FLEXCO® Logic Tile formulation reduces the amount of emissions by more than 80% when compared to standard ESD flooring. Available in conductive and static dissipative solid vinyl tile, Logic Tile leads the industry in performance as tested according to ASTM E 595, with a total mass loss (TML) equal to 1.04% and a collected volatile condensable material (CVCM) equal to 0.46%. This makes Logic Tile the logical solution for clean room environments with the most stringent submicron-filtered atmospheres.

typical applications

- > Electronics manufacturing, clean rooms, stores, warehouses, test and inspection areas, wafer and fiber optics fabrication.
- > Hospital surgery suites, intensive care units, radiological facilities.
- > Computer data processing installations, hard disk drive industries, access panels.
- > Explosive environments, munitions facilities, chemical processing operations.
- > Pharmaceutical and medical device manufacturing.
- > High-tech workplaces, computer labs and other advanced applications.



specifications

order prefix:

DISS = Static Dissipative Vinyl Tile
SP = Conductive Vinyl Tile

ESD Control Tile	12" x 12"	24" x 24"	36" x 36"
Gauge	1/8"	1/8"	1/8"
Pieces	45	14	6
Weight/Ctn (lb)	54	67	65
Sq Ft/Ctn	45	56	54

Note: Add HW to color number for pre-grooved Heat Weld tiles (e.g., SP-40HW) available in 24" x 24" and 36" x 36" sizes.

FLEXCO® 66/67 SF ESD Epoxy Adhesive must be used with this product.

Oversized 24" x 24" tiles are also available for access panel applications.

When ordering low outgassing tile add an "L" in front of the prefix.

features and benefits

- > Lifetime conductivity warranty.
- > Provides static control throughout the entire work environment.
- > Passive system requires minimal routine monitoring.
- > Conductive properties are incorporated into the tile.
- > Comes in attractive, random patterns and a variety of colors.
- > Contains an antimicrobial that resists bacteria and fungi when tested in accordance with ASTM G 21.
- > May be seamlessly installed with FLEXCO®'s Vinyl Welding Beads for clean rooms and areas that have strict requirements for added hygiene.
- > Flexible to conform to subfloor irregularities and to accommodate flash coving.
- > Exceeds ADA recommendations for slip resistance on flat surfaces.
- > Resists indentation and performs under heavy rolling loads up to 2,000 psi.
- > Resists wear, abrasions, solder and many common chemicals.
- > No floor finishing required. Higher luster is achieved by buffing – no waxing.
- > Meets or exceeds all ESD control standards when tested by ASTM F 150, NFPA 99, ESD S7.1 and UL 779.
- > Does not release carbon particles into the air.
- > Uses solvent-free epoxy adhesives and is DOP (dioctyl phthalate) free.
- > Dense, homogeneous solid vinyl tile composition meets ASTM F 1700 and makes floor maintenance easier.
- > Static decay less than 0.01 second per Federal Test Method 101C, Method 4046 at 15% Relative Humidity.
- > One gallon of adhesive included for every 150 sq. foot of tile purchased, as well as 1-18" piece of copper foil for grounding.