



# 8400 Series ESD Floor Tile

The need for static protection to drain electrostatic charges from personnel and materials is well accepted in many industries. Whether safeguarding sensitive electronic components during manufacture or service or helping control charge in a computer room or munitions factory, a key element of an ESD (electrostatic discharge) prevention program is the use of a properly designed flooring system.

## Description

3M™ 8400 Series Static Control Floor Tile is a long-term solution to controlling ESD. This solid vinyl tile is durable and attractive and can easily be installed by competent flooring contractors. The flexible, resilient tiles are made with only 100% pure vinyl and contain a minimum amount of filler and none of the regrind that can make tile brittle. Both the “conductive” and “static-dissipative” versions are available in a selection of bright, vivid colors. A proprietary manufacturing process completely seals in the conductive carbon medium, resulting in a unique tile that can be easily cleaned and shined to a gloss while maintaining its electrical properties — without the use of an ESD wax or polish.

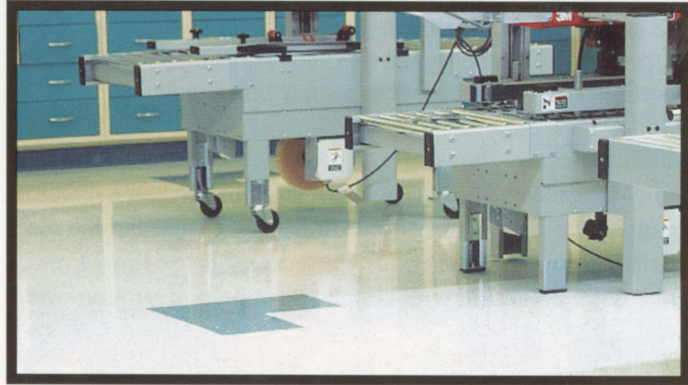
## Key Features

- Lifetime warranty on electrical performance
- 10-year limited warranty on materials
- Long-term ESD protection
- Superior wear resistance and durability
- Lowest outgassing
- Easy, low-cost maintenance (no waxing — ever!)
- Made with 100% pure homogeneous vinyl; no regrind
- Micro-edged for perfect squareness for ease of installation
- Available in either “conductive” or “static-dissipative” resistance range
- Available in 24.25" size for raised access floors, plus 12", 24", and 36" sizes.
- Available in 12 standard colors; custom colors can be formulated
- May be seamwelded or self-coved

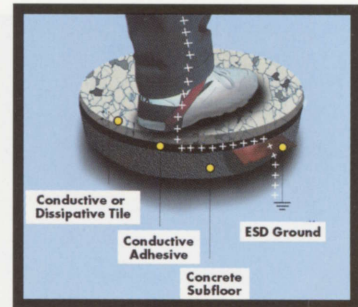
## Installation

(See 3M Floor Tile Installation Guide for complete instructions.)

- Moisture can be a major problem for any flooring material. The subfloor must be tested prior to tile installation to ensure that the moisture content is below the specified limit. (Use 3M™ 8405 Moisture Test Kit or equivalent, calcium chloride type).
- The subfloor must be clean, dry, level and properly abraded for optimum adhesion.
- 3M 8400 Series ESD tile must be installed with 3M-approved conductive adhesive.
- Proper grounding is recommended for all static-dissipative and conductive floor installations. Grounding guidelines are



included in the installation instructions packed with each unit of conductive adhesive, and each unit of adhesive contains one copper grounding strip.



## Maintenance

(See 3M 8400 Tile Maintenance Instructions for complete details.)

Install 3M entrance matting at all room doors to prevent debris from being tracked onto the ESD Floor Tile.

### Never Wax 3M Static-Dissipative or Conductive Floor Tile!

Sweep or damp-mop the entire floor and then clean it using 3M™ Neutral pH Cleaner and a low-speed buffer (150-350 rpm) with a 3M™ Red Buffer Pad 5100. If ground-in dirt or heavy scuff marks remain, use a 3M™ Blue Cleaner Pad 5300 with the cleaner.

*Note: A trigger-spray bottle of 3M™ TroubleShooter™ Cleaner may also be useful for spot-cleaning small, heavily soiled areas or scuff marks.*

Once the floor has been cleaned and allowed to dry, use a clean, dry 3M Red Buffer Pad 5100 to buff the tile to its natural sheen. (The floor care products mentioned above are available from 3M Commercial Care Division. Call 1-800-852-9722 for a supply location near you.)