

SelectTile™ ESD

Interlocking Static Control Floor Tiles

SelectTile™ ESD is the **WORLD'S FIRST** Modular, Static Control Flooring System Using Injection Molding Technology with Visible Interlocking Tabs

SelectTile™ ESD is easy to install without the need for conductive adhesive, copper foil strips, or underlayment.

SelectTile™ ESD Offers

- Free-lay flooring concept
- Durability against high commercial traffic volumes
- High indent resistance to withstand heavy loads
- Comfort under foot
- 10 Year Commercial Warranty

SelectTile™ ESD is designed specifically for fork lift, pallet jack, heavy load equipment and server rack environments and is rugged, durable and versatile enough for a variety of installations such as:

ESD Environments

- Electronics Manufacturing
- Pick & Place/Reflow/Wave Solder/SMT
- Hardware Repair Rooms
- Shipping/Receiving/Loading Docks
- Stock/Parts/Inventory Supply Rooms

Mission Control

- Raised Access Floor Environments
- Central Apparatus/Master Control/Server Rooms
- Federal/State/Municipal Operation Centers
- Command - Control/Emergency Operation Centers
- Security Shelters and Guard Booths
- Airport Equipment and Test Repair Zones
- Tv/Radio Production Studios

SelectTile™ ESD and LEED™

- Recyclable (Cradle-to-Cradle) Take Back Program



- * Transition Pieces
- * Corner Pieces
- * Grounding Kit
- * Available Upon Request

- Surface Textures:
- Flat
 - Coin
 - Diamond Grid
- Available only in black

Interlocking Tabs - No Adhesive or Copper Foil Required

SelectTile™ ESD is easily installed over problem subfloors including:

- Concrete with high moisture emissions
- Cracked and stained concrete
- Difficult to remove old flooring
- Minimal down-time, disruption or loss of productivity

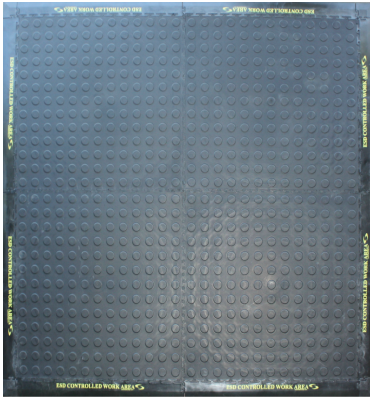
Electrostatic Properties		
	SelectTile™ ESD CONDUCTIVE**	SelectTile™ ESD DISSIPATIVE
Electrical Resistance ESD S7.1 at 15% RH	2.5 x 10 ⁴ to 2 x 10 ⁶ Ohms	1 x 10 ⁵ to 1 x 10 ⁹ Ohms
Electrostatic Propensity* ESD STM 97.2 at 15% RH AATCC-134 at 15% RH	<10 volts	<30 volts
Static Decay Method 4046 at 15% RH	<0.01 seconds	<0.02 seconds

ESD S20.20: Complies

Grounding: Concrete Floor: Every 1000 Sq. Ft.
Access Floor: Every 3000 Sq. Ft.

*All conductive flooring (regardless of composition or manufacturer) requires appropriate conductive footwear to achieve results in this range.





Conveniently Configured with Edging for Mats

Warranty

SelecTile™ ESD is manufactured to provide a durable and long-lasting floor covering under a range of conditions and is backed by a **Lifetime Electrical** and 10 year limited wear warranty. Ask your **SelecTile™ ESD** dealer for more details on our warranties.

Installation

SelecTile™ ESD is a 23.75" x 23.75" (3.92 ft²/tile) interlocking floor tile available with a 24" x 2" interlocking transition strip and 2" x 2" corners. A plastic tipped mallet or deadhead hammer should be used for joining these products. Tiles can be cut using a utility knife, vinyl-tile cutter or jig saw. **SelecTile™ ESD** is a free-lay system and does not require the use of adhesives. **SelecTile™ ESD** may be installed over concrete, wood, asbestos tile, rubber, vinyl composite tiles, and other standard floors. A 3/8" gap around the perimeter and along any other vertical surface should be left to allow for expansion and contraction. The floor must be grounded properly to ensure proper discharge of static charges. For more detailed instructions, consult the **SelecTile™ ESD** Installation Guide.

Regular Maintenance

SelecTile™ ESD is easy to clean and maintain. The tiles should be cleaned with an ESD cleaner such as ProtectOhm. The tiles can be cleaned by hand using a mop or sponge. A power scrubber or buffer can also be used to clean particularly tough stains and soiling.

Architectural Specifications

All floors shown in the Finish Schedule or listed in this specification shall be **SelecTile™ ESD** Resilient Flooring, manufactured by SelecTech, Inc. Avon, MA. The product should have an electrical resistance of between 2.5×10^4 and 10^6 Ohms for conductive flooring applications and 10^6 to 10^9 Ohms for static dissipative applications as measured pursuant to ANSI/ESD 7.1. The product shall be an interlocking floor tile and be available in 23.75" x 23.75" squares (nominal). The product shall offer a 10-Year Limited Warranty against wear as detailed in the **SelecTile™ ESD** Warranty brochure. The tiles shall be installed as a free-lay product without adhesives. Installation shall be as recommended in the **SelecTile™ ESD** Installation Guide.

Product Specifications

Dimensions	24" x 24"
Thickness	0.22"
Weight	6 ± 0.1 lbs/tile
Connection	Interlocking Edges
Abrasive Resistance ASTM TABER METHOD 600 gram wheel - 1,000 cycles	<0.4 Grams weight loss
Effective Coverage	3.92 Ft ² /Tile
Reference Specification ASTM F-1306	Exceeds Requirement
Critical Radiant Flux ASTM E-648	≥ 0.45 W/cm ² Meets Class I Fire Rating
Smoke Density ASTM E-662	≤ 450
Coefficient of Friction ASTM D-2047 conforms to ADA specifications	0.7 - 0.8 (depending on surface)
Recycled Content (Interlocking Tile Only)	Minimum 20% Post-Industrial Materials

Solvent/Stain Resistance

SelecTile™ ESD has been tested for solvent/stain resistance per ASTM F-925-96 against a number of fluids, such as oils, acids, solvents, and staining agent. The tiles showed no change (surface attack, color change, surface dulling) to the following:

	Surface Attack	Color Change	Surface Dulling
5% Acetic Acid	No Effect	No Effect	No Effect
Acetone	No Effect	No Effect	No Effect
28% Ammonia	No Effect	No Effect	No Effect
Animal Blood	No Effect	No Effect	No Effect
Carbon Tetrachloride	No Effect	No Effect	No Effect
Chloroform	No Effect	No Effect	No Effect
Cotton Seed Oil	No Effect	No Effect	No Effect
95% Ethyl Alcohol	No Effect	No Effect	No Effect
Ethyl Acetate	No Effect	No Effect	No Effect
37% Formaldehyde	No Effect	No Effect	No Effect
Gasoline	No Effect	No Effect	No Effect
30% Hydrogen Peroxide	No Effect	No Effect	No Effect
Methanol	No Effect	No Effect	No Effect
Mineral Oil	No Effect	No Effect	No Effect
0.5% Muriatic Acid	No Effect	No Effect	No Effect
50% Sodium Hydroxide	No Effect	No Effect	No Effect
98% Sulfuric Acid	No Effect	No Effect	No Effect
Tallow	No Effect	No Effect	No Effect
2% Tincture of Iodine	No Effect	No Effect	No Effect
Trichloroethylene	No Effect	No Effect	No Effect

For more information contact:

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