

# SelecTile™ ESD

## Interlocking Static Control Floor Tiles

**SelecTile™ ESD** manufactured by StaticStop is available in Static Dissipative or Conductive Meg-Ohm Ratings and is easy to install without the need for conductive adhesive, copper foil strips, or underlayment.

**SelecTile™ 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:

### SelecTile™ 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
- Lifetime Electrical Warranty

### ESD Environments

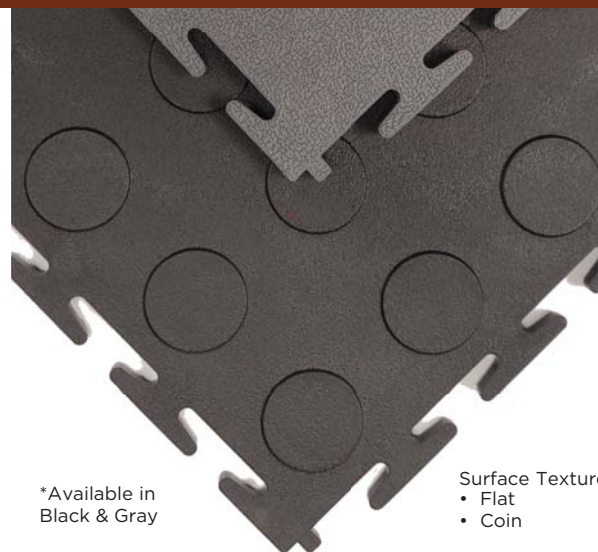
- Electronics Manufacturing
- Pick & Place/Reflow/Wave Solder/SMT
- Hardware Repair Rooms
- Shipping/Receiving/Loading Docks
- Stock/Parts/Inventory Supply Rooms

### 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

### SelecTile™ ESD and LEED™

- Minimum 20% Recycled Content
- 100% Recyclable
- Take Back Program (Cradle-to-Cradle)
- RoHS Compliant



\*Available in Black & Gray

Surface Textures:  
• Flat  
• Coin

### Interlocking Tabs - No Adhesive or Copper Foil Required

**SelecTile™ 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

	SelecTile™ ESD CONDUCTIVE**	SelecTile™ ESD DISSIPATIVE
<b>Electrical Resistance</b> ESD STM 7.1 at 12% and 50% RH	2.5 x 10 <sup>4</sup> to 1 x 10 <sup>6</sup> Ohms	1 x 10 <sup>6</sup> to 1 x 10 <sup>9</sup> Ohms
<b>Electrostatic Propensity*</b> ESD STM 97.2 at 12% RH	<20 volts	<50 volts

### ESD S20.20: Compliant

**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

## Limited 10-Year Warranty

**SelecTile™ ESD** is manufactured to provide a durable and long-lasting floor covering under a range of temperature and exposure 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 ft<sup>2</sup>/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 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 can be cleaned with ammonia and water or other acceptable cleansers. 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  $2.5 \times 10^4$  and  $10^6$  Ohms for conductive flooring applications and  $10^8$  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

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

StaticStop (a division of SelecTech, Inc.)

33 Wales Ave, Unit F, Avon, MA. 02322

Phone: (877) 738-4537

E-mail: info@staticstop.com

Visit our ESD website at [www.StaticStop.com](http://www.StaticStop.com)