

# FreeStyle ESD™

Cuts Costly Downtime to the Bare Minimum!

Electronics manufacturing can be a tough business. Quality standards are high and delivery requirements can be brutal. Meeting strict delivery deadlines while complying with rigorous ESD Static control audit requirements is challenging but noncompliance with audit requirements can be fatal and downtime is extremely costly. **FreeStyle ESD™** meets the challenge. It will pass the toughest standards in the industry yet requires virtually no floor preparation, no messy adhesives and no specialized installation expertise. It can be installed directly over existing flooring. No adhesive means no cure times so it is ready for immediate use.

### Why FreeStyle ESD™ ?

#### Ensures Reliable Installation

- Minimal downtime, disruption, or surface preparation
- Much lower life-cycle costs
- Quick changeover process
- Portability for future moves
- High indent resistance to withstand heavy loads
- Performs where most adhesive-applied products fail
- Requires minimal subfloor prep
- Lifetime electrical warranty / 10-Year Wear Warranty

#### Best in Class

- Available in stylish design patterns and decorative colors
- Tile-to-tile monolithic / seamless appearance
- Waffle pattern backing for comfort under foot

# CRESTRON



Crestron, a leading manufacturer of audio systems and control systems needed to upgrade and replace ESD flooring in 45,000 square feet of manufacturing space. Conventional glue-down products were disruptive and time-consuming and Crestron could not afford to shut down to do the upgrades. **FreeStyle ESD™** was the solution. Crestron did the installations over weekends, installing 6,000 square feet at a time directly over the existing floor and without removing equipment. After each installation phase production resumed on the following Monday without a hitch. Crestron's state of the art **FreeStyle ESD™** flooring meets all audit requirements and saves time and money.



*"If you do a full cost analysis of FreeStyle ESD™ vs. glue down products, FreeStyle ESD™ is a no-brainer. It was easy to install and it looks great. It is incredibly comfortable underfoot, which is an added bonus for our workers."*



### Limited 10-Year Warranty Lifetime Electrical Resistance Warranty

**FreeStyle 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 10-Year Limited Warranty against wear and a lifetime warranty on electrical resistance. Ask your **FreeStyle ESD™** dealer for more detailed information.

### Installation

**FreeStyle ESD™** is a 18.5" x 18.5" (2.38 sq. ft./tile) interlocking floor tile. 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. **FreeStyle ESD™** is a free-lay system and does not require the use of adhesives. **FreeStyle 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 **FreeStyle ESD™** Installation Guide.

### Regular Maintenance

**FreeStyle ESD™** is easy to clean and maintain. The tiles can be cleaned with standard neutral cleansers 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 **FreeStyle ESD™** Resilient Flooring, manufactured by SelecTech, Inc. Avon, MA. The product should have an electrical resistance of between 2.5 x 10<sup>4</sup> and 10<sup>6</sup> Ohms for conductive flooring applications and 10<sup>6</sup> to 10<sup>9</sup> 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 18.5" x 18.5" squares (nominal) and with a thickness of 0.375 inches. The product shall offer a 10-Year Limited Warranty against wear as detailed in the **FreeStyle ESD™** Warranty brochure. The tiles shall be installed as a free-lay product without adhesives. Installation shall be as recommended in the **FreeStyle ESD™** Installation Guide.

### Solvent/Stain Resistance

**FreeStyle 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 agents.

### Physical Properties

<b>Dimensions</b>	18.5" x 18.5" x 0.375"
<b>Thickness</b>	0.375"
<b>Effective Coverage</b>	2.38 square feet per tile
<b>Weight</b>	5.2 lbs per tile
<b>Critical Radiant Flux</b> ASTM E-648	> 1.0 W/cm <sup>2</sup> Meets Class I Fire Rating
<b>Smoke Density</b> ASTM E-662	≤ 450
<b>Chemical Resistance</b> ASTM F-925	Static Load Limit - Maximum residual compression at 0.005 inches after exposure at 24 hours
<b>Recycled Content</b>	20% Minimum Post-Industrial Materials

### Electrical Properties

	<b>FreeStyle CONDUCTIVE</b>	<b>FreeStyle DISSIPATIVE</b>
<b>Electrical Resistance</b> ESD S7.1 at 15% RH	2.5 x 10 <sup>4</sup> to 1.0 x 10 <sup>6</sup> Ohms	1.0 to 10 <sup>6</sup> to 1.0 x 10 <sup>9</sup> Ohms
<b>Electrostatic Propensity*</b> ESD STM 97.2	<10 volts	<30 volts
<b>Static Decay Method 4046</b>	<0.01 seconds	<0.02 seconds

**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.

#### For more information contact:

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