

## FreeStyle ESD™ is Out of this World!

For industrial fabrication areas that must have reliable electrostatic protection, **FreeStyle ESD™** flooring is the best choice. With a conductive top layer and a built-in, conductive, interlocking underlayment, **FreeStyle ESD™** creates a robust static control floor system that doesn't rely on moisture sensitive conductive adhesive to ensure ground plane connection.

## FreeStyle ESD™

Provides Reliable Performance Where Others Fail

- Meets ANSI/ESD s20.20 requirements for flooring/footwear systems
- Available in Conductive and Dissipative versions
- Minimizes operations downtime, equipment moving and costly business interruption
- Noisy, messy, dusty, time consuming conventional sub floor prep is not required
- Much lower life-cycle costs than permanently installed floors
- Quick moves and changes – maximum, long-term flexibility
- Portability for future moves
- Built to withstand heavy rolling and static loads
- Guaranteed to perform where adhesive-applied products may fail, including over high-moisture concrete subfloors, high pH subfloors and areas subject to topical moisture and flooding.
- Lifetime electrical warranty/ 10-Year Wear Warranty

### FreeStyle ESD™ is Best in Class

- Available in industry appropriate styles and four standard colors
- Waffle pattern backing provides unparalleled comfort under foot

# NASA



When NASA's Avionics Fabrication had ESD flooring that failed mandatory ESD compliance verification audits, they needed a new ESD compliant floor to replace it that could be easily and quickly installed and that would ensure long-term, electrically compliant performance. NASA's facilities personnel self-installed our **FreeStyle ESD™** over a single weekend and were so pleased with the results, that when their Telemetry Shop became damaged by a water leak, they didn't hesitate to choose **FreeStyle ESD™** for a second time.



*"We love the flooring. It's well-grounded, has excellent surface resistivity, brightens the shop, maintenance is easy, and it always looks great."*



### Limited 10-Year 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 free-lay, interlocking flooring system that does not require the use of adhesives. **FreeStyle ESD™** may be installed over concrete, wood, asbestos tile (subject to applicable regulations), rubber, vinyl, composite tiles and other standard floors. A heavy, plastic deadblow hammer should be used to install the tiles. A 3/8" gap should be left around the perimeter 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™** does not require special waxes to maintain its electrical performance. Keep it looking great with a properly designed maintenance program. Smaller areas can be maintained by hand. Rotary machines and/or auto-scrubbers can be used for larger areas. For more detailed instructions consult the **FreeStyle ESD™** Maintenance Guide.

### 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  $2.5 \times 10^4$  and 106 Ohms for conductive flooring applications and 106 to 109 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	Excellent resistance to Acids, Alkalis, House- hold Chemicals
<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	$2.5 \times 10^4$ to $1.0 \times 10^6$ Ohms	1.0 to $10^6$ to $1.0 \times 10^9$ 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:

StaticStop (a division of SelecTech, Inc.)  
33 Wales Ave, Unit F, Avon, MA. 02322  
Phone: (877) 738-4537

E-mail: [info@staticstop.com](mailto:info@staticstop.com)

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