FreeStyle ESD™

Cuts Costly Downtime to the Bare Minuimum!

FreeStyle ESD™ is unique for its free-floating and static control qualities—which makes it perfect for tough areas like manufacturing and service environments. Cost-efficient ESD flooring is essential for areas with heavy traffic and machinery, and it needs to be able to be installed quickly. **FreeStyle ESD™** tiles are simple and fast to install, and can go on top of any existing hard surface. The conductive top layer and base of the tiles will interlock and connect electrically, making the floor a stand-alone static plane. This is what makes **FreeStyle ESD™** the most trustworthy static-control flooring available.

The Old Receiving Area: The above photos were taken just prior to our office improvement project. As you can see below, 90% of the work has been completed and the floor is about 80% installed. All of the tools and infastructure that were utilized for our goods inward inspection and shipping have been moved from this space and are ready for business. We were able to complete this project over a weekend.

WHITE PLAINS

White Plains Improvement needed to update their office. One thing that needed improvement was the flooring in the office—it needed static control. With **FreeStyle™ ESD** they were able to integrate with their existing ESD program and have the entire office ready to go after a single weekend.

Before:

After:

Limited 10-Year Warranty

FreeStyle™ ESD is a durable floor covering and is backed by a lifetime electrical and 10 year limited wear warranty. Ask your **FreeStyle™ ESD** dealer for more details on our warranties.

Installation-Interlocking

FreeStyle™ ESD is a 18.5" x 18.5" (2.38 sq. ft./tile) interlocking floor tile. A plastic deadhead hammer should be used for joining these products. Tiles can be cut using a vinyl-tile cutter, circular saw, jig saw, or other power saws. **FreeStyle™ ESD** is a free-lay system and does not require the use of adhesives. **FreeStyle™ ESD** may be installed over concrete, wood, 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.

Installation-Gluedown

The 2 millimeter top surface of **FreeStyle™ ESD** is also available as a glue down product using a conductive adhesive. For glue down installations, the surface must be properly prepared and free of moisture, dirt, oils, and other foreign materials to ensure a reliable bond with the adhesive. For more detailed instructions, consult the **FreeStyle™ CVT** Installation Guide.

Regular Maintenance

FreeStyle™ ESD is easy to clean and maintain. The tiles can be cleaned with standard neutral cleansers. We recommend our Durashield and ProtectOhm cleaner for best results. 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. Walk-behind auto-scrubbers can also be used in larger applications.

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 2.5×10^4 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 18.5" x 18.5" squares (nominal). This product shall offer a lifetime electrical and 10 year limited wear warranty as detailed in the **FreeStyle™ ESD** Warranty brochure. The tiles shall be installed as a free-lay product witout 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

Dimensions	18.5" x 18.5"
Thickness of Interlocking	FS4: 0.34"
Effective Coverage	2.38 square feet per tile
Weight of Interlocking	FS4: 5.4 lbs
Reference Specification ASTM F-1700	Conforms
Critical Radiant Flux ASTM E-648	> 1.0 W/cm2 Meets Class I Fire Rating
Smoke Density ASTM E-662	≤ 450
Chemical Resistance ASTM F-925	Excellent resistance to Acids, Alkalis, Household Chemicals
Recycled Content	Minimum 20% Post-Industrial Materials
Weight of Glue-Down	1.95 lbs
Thickness of Glue-Down	2 mm

Electrical Properties

	FreeStyle CONDUCTIVE**	FreeStyle DISSIPATIVE
Electrical Resistance ESD S7.1 at 15% RH	2.5×10^4 to 10^6 Ohms	10^6 to 1.0×10^9 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.

For more information contact:

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