



# **BUDGET ESD FLOORS**

ESD Vinyl Tile ~ Recycled ESD Rubber ~ DIY ESD Epoxy

We designed bioSTAT ESD flooring specifically to address tight budgets, for use in warehouses, temporary spaces and applications over 24" concrete raised-floor panels. bioSTAT floors provide ANSI- and ASTM-compliant electrical performance, so you'll never be questioned about ESD compliance in an audit.

bioSTAT floors:

- meet ANSI/ESD S20.20-2021
- resistance  $< 1 \times 10^9$  per ANSI/ESD STM7.1
- voltage generation  $< 100$  volts per ANSI/ESD STM97.2
- durable and attractive
- easy to maintain
- permanent ESD properties
- install with standard installation methods
- provide exceptional value for the \$



bioSTAT floors are available in:

- ESD Vinyl Flooring
- Floating Recycled Rubber
- DIY ESD Epoxy Flooring

We also offer bioSTAT maintenance supplies, as well as a meter Loaner Program to help you test and certify your bioSTAT ESD flooring installation.



## ***bioSTAT 24 ESD Vinyl Tile - 24" x 24" Modular ESD Flooring System***

*Engineered for installation over concrete, raised panels and injection molded substrates*

Earth-friendly 24" x 24" bioSTAT vinyl tile gives you an ESD floor that's aesthetically pleasing and ecologically responsible– with permanent conductivity for optimal ESD performance. A floor you'll be proud to show your most important clients.

Engineered specifically for protecting sensitive electronics, bioSTAT 24 provides class 3 IPC-A-610 ESD protection for electronics parts and assemblies. And bioSTAT checks all the metrics for meeting ANSI/ESD S20.20-2021.

bioSTAT tiles can also be seam-welded to meet the requirements of cleanroom environments.

bioSTAT tile installs using standard flooring installation practices. With GroundGrip FloorScore certified adhesive, tile can be installed over concrete, raised panels, old floors and in operational facilities. The low material cost and standard installation make our high-performing bioSTAT tile an excellent all-around value.



**Unlike most VCT and SDT on the market, bioSTAT vinyl tile is made from sustainable, phthalate-free, bio-engineered plasticizers.**



## **Performance Properties: ESD Static Control Vinyl Tile** *StaticWorx bioSTAT*

<b>Properties</b>	<b>Test Method</b>	<b>bioSTAT VCT</b>
Tile Dimensions	ASTM F536	24in x 24in
Tile Thickness	ASTM F368	2.0 mm
Material Composition	ASTM F1700	Composite vinyl
Squareness Tolerance	ASTM F540	±0.012"
Electrical Resistance	ANSI/ESD STM7.1	PTP & PTG: <1,000,000 ohms
Floor Materials – Resistive Characterization of Materials	ANSI/ESD STM7.1	Conductive: <1.0x10 <sup>6</sup> ohms
Floor Materials and Footwear-Resistance Measurement in Combination with a Person	ANSI/ESD STM97.1	< 3.5 X 10 <sup>7</sup> ohms
Floor Materials and Footwear-Voltage Measurement in Combination with a Person	ANSI/ESD STM97.2	<50 volts with conductive footwear
Static Decay Time	Method 4046 – 15% RH	0V in <2 seconds
Critical Radian Flux	ASTM E648	1.05 W/cm <sup>2</sup>
Indoor Air Quality	ASTM D516	Meets CA 01350
Hardness	ASTM D2240	60 + 6, Shore D
Abrasion Resistance	ASTM D3389	<0.3gm
Static Load	ASTM F970	<0.006" RI @ 125 PSI (1.125" diameter foot) <0.01" RI @ 700PSI (1.125" diameter foot)



## ***StatLock Interlocking SD Rubber Tiles***

StatLock interlocking static-dissipative (SD) rubber tile, made from 96% recycled and up to 91% post-consumer rubber, is our greenest ESD floor tile to date. Durable enough for heavy-duty environments and with inherent static-control properties, StatLock interlocking rubber is an excellent choice for heavy-duty environments. In temporary/transitional spaces, simply carry the static-dissipative tiles to your location, zip together quickly and efficiently, then unlock and carry them out when you're finished.

For people searching for a low cost, high performance static-safe floor, StatLock interlocking ESD rubber provides long wear and exceptional value.

### **ONE COMPONENT IN A FOUR-COMPONENT ESD FLOORING SYSTEM**

StatLock SD interlocking rubber tile is part of an ESD flooring system consisting of StatLock SD interlocking rubber tile, GroundBridge conductive underlayment, copper grounding strips, and StaticWorx Seal, a conductive urethane floor sealer and antistatic finish.

### **IDEAL FOR INSTALLING OVER PROBLEM FLOORS**

Like our signature GroundLock interlocking tile, StatLock SD rubber tiles are an ideal solution for problem floors. At 8mm thick, StatLock SD rubber tile can be installed right over ugly subfloors or high-moisture concrete, without telegraphing imperfections or worrying about moisture seeping through seams.

## **EASY INSTALLATION AND LIFT & CARRY REMOVAL**

Thick, lay-flat StatLock rubber tiles are so easy to install that a child could do it. Simply place the tile, set another adjacent tile, snap together and lock into place. When you're ready to move, lift to unzip the tiles and carry to the next installation.

## **DURABLE**

StatLock SD rubber tiles are custom-formulated, with high strength polyurethane binders combined with recycled tire crumb, producing a rugged, extremely durable floor – perfect for installation in warehouses with forklifts and pallet jacks and other heavy-duty work.

## **COST EFFECTIVE**

Reasonable material cost coupled with easy installation and removal make StatLock a highly cost effective and environmentally sound interlocking flooring solution.

## **ENVIRONMENTALLY SOUND**

StatLock SD rubber tiles are made in the U.S. from 96% recycled rubber with a specially engineered polymer binder. Because of the high level of recycled material, StatLock SD rubber tiles meet and exceed requirements set forth in the U.S. Executive Order 13101, Greening the Government. StatLock SD rubber tiles can be a contributing factor for LEED Green Building Council certification.



## **APPLICATIONS**

Server rooms	Critical Call Centers
Data centers	IDF & MDF Rooms
Communications centers	Warehouses

TEST TYPE	ASTM	RESULT
Shore Hardness	D-2240	65 +/- 5
Density	D-395	63-94 lbs/ft <sup>3</sup>
Elongation (at break)	D-412	50-150%
Tensile Strength	D-412	200-400 PLS
Compression Set	D-395	-15 to -45% @ 25%
VOC Emissions	D-5116	0.5 mg/m <sup>2</sup> or less
Resistance To Chemicals	F-925	No Change
Static Load Limit	F-970	Passes, 150 PSI Surface
Flammability	D-2895	Pass
Die-C Tear	D-624	80 min
Coefficient of Friction	D-1894	0.75-1.50
Durometer	D-2240	60 +/- 5 Shore A
Tear Resistance	D-624	50-125 PLI *

\* Tiles contain up to 96% recycled rubber material, manufactured in the USA, and are covered by our Limited Warranty.

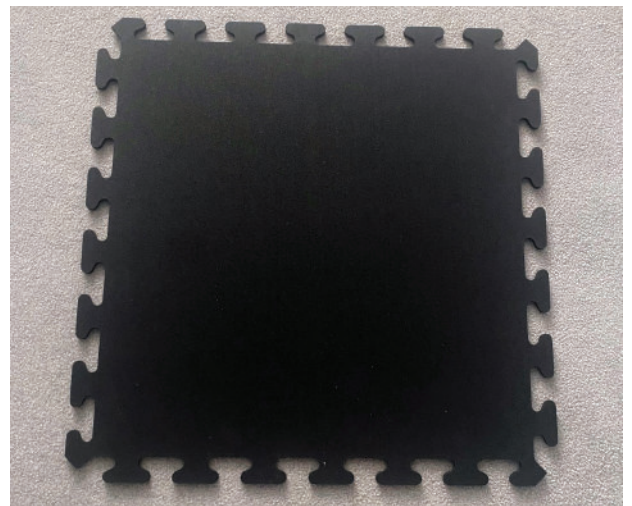
## **SIZE AND COLOR**

Size: 24" x 24", 8mm thick

Color: Black

## **WARRANTY**

StatLock tiles carry a lifetime static control warranty and a 5-year limited warranty for defects in material and workmanship.





***Basics ESD Epoxy***  
*Material Cost: \$1 Per Square Foot*

Looking for a durable, easy-to-install, S20.20-compliant ESD floor at a fraction of the cost of other ESD flooring coatings? With a material cost of only \$1 per square foot and DIY installation, our Basics ESD epoxy is the answer.

Basics is a low-cost ESD epoxy coating that's stronger and more durable than ESD paint. So strong that it resists damage from forklifts and heavy machinery—making it ideal for warehouses, shipping/receiving areas, and manufacturing spaces. If the surface does get scratched, Basics ESD epoxy is quick, easy and inexpensive to repair.

**Variety of colors with matte or optional gloss finish.**



## About bioSTAT

bioSTAT focuses on value engineered, robust ESD flooring options for factory environments and labs in electronics, server room and manufacturing industries. Our parent company, StaticWorx, Inc., has installed tens of millions of square feet of ESD flooring throughout the U.S., Canada, Mexico, Europe, Australia, Singapore and New Zealand.

All bioSTAT ESD flooring products undergo compliance testing and meet the parameters of the latest version of the ANSI/ESD S20.20 standard for the electronics industry. Produced offshore, bioSTAT ESD vinyl and interlocking rubber meet the same stringent S20.20 standard as bioSTAT epoxy (made in the U.S.) and all StaticWorx ESD flooring.

For clients who prefer a worry-free project, bioSTAT reps will help you choose the optimal floor for your application, match your project with a flooring installation team, oversee the installation, and certify your new floor's electrical properties to be sure the floor meets your specifications.

bioSTAT floors.



bioSTAT

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