Staticworx Eclipse Rubber ESD
Aisle-Safe Mats and Runners

Staticworx Aisle-Safe Mats and Runners

Designed with the permanent static control properties of Staticworx Eclipse Rubber ESD, Staticworx aisle-safe mats and runners provide the ultimate in Class Zero ESD protection for the most ESD-sensitive environments.

- The Staticworx Eclipse Rubber ESD line is the only conductive rubber product meeting both the recommended system resistance of ANSI/ESD S97.1 and the Body Voltage Generation for ANSI/ESD S97.2. Staticworx Aisle-Safe rubber flooring is manufactured to meet Class Zero ESD Applications.
- Ideal for explosives applications per NAVSEA OP 5 and DOD 4145.26M.
- Meets IBM 2011 Guidelines for use as a grounded antistatic floor in a data center.
- Ideal for R & D labs, computer rooms, clean rooms, munitions, electronics manufacturing and test & repair areas.
- Non-glare surface with an attractive natural stone pattern helps hide stains and scuff marks.
- Easy to maintain, never needs conductive wax.
- Resistant to chemicals and hot solder.
- Slip resistance exceeds ADA guidelines.
- State of the art properties make it ideal for use in areas where static can not be tolerated under any circumstances.

Available in multiple sizes

4' x 5' x 2 mm thick
4' x 6' x 2 mm thick
4' x 8' x 2 mm thick
4' x 40' x 2 mm thick

Call 617-923-2000.
Staticworx Eclipse Rubber ESD

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**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Staticworx Eclipse Rubber ESD – Aisle-Safe Mats and Runners</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tile size</td>
<td>N/A</td>
</tr>
<tr>
<td>Sheet size</td>
<td>4’ X 5’, 4’ X 6’, 4’ X 8’, 4’ X 40’</td>
</tr>
<tr>
<td>Material thickness</td>
<td>2 mm</td>
</tr>
<tr>
<td>Conductivity Warranty</td>
<td>Lifetime conductivity per guidelines of ANSI/ESD S20.20.</td>
</tr>
<tr>
<td>Standard</td>
<td>ASTM F 1344, for solid color homogeneous tiles and through-mottled tiles as applicable</td>
</tr>
<tr>
<td>Abrasion Resistance</td>
<td>Taber abrasion test, ASTM D 3389, H-18 wheel, 500 gram load, 1000 cycles, gram weight loss not greater than .70</td>
</tr>
<tr>
<td>Hardness</td>
<td>ASTM D 2240, Shore A, not less than 85</td>
</tr>
<tr>
<td>Slip Resistance</td>
<td>Static coefficient of friction (James Test): ASTM D 2047, equal to or greater than 0.6, ADA guidelines compliance</td>
</tr>
<tr>
<td>Asbestos-Free</td>
<td>Products shall contain no asbestos.</td>
</tr>
<tr>
<td>Flammability</td>
<td>ASTM E 648; NFPA 253; NBSIR 75 950 result to be not less than 0.45 watts per square centimeter, Class 1</td>
</tr>
<tr>
<td>Smoke Density</td>
<td>ASTM E 662, NFPA 258, NBS smoke density, less than 450</td>
</tr>
<tr>
<td>Burn Resistance</td>
<td>Solder burn resistant</td>
</tr>
<tr>
<td>Halogen-Free</td>
<td>Products shall contain no halogens</td>
</tr>
<tr>
<td>PVC-Free</td>
<td>Products shall contain no poly-vinyl-chloride</td>
</tr>
<tr>
<td>Conductivity</td>
<td>$&lt; 1.0 \times 10^6$ resistance to ground when tested according to ASTM F150 and ESD.S7.1 under &gt;30% relative humidity at room temperature</td>
</tr>
<tr>
<td>Decay Time</td>
<td>.025 seconds for Staticworx when tested according to FTM 4046 101</td>
</tr>
<tr>
<td>Static Generation</td>
<td>$&lt; 20$ volts when tested according to ESD STM 97.2</td>
</tr>
<tr>
<td>System resistance</td>
<td>$&lt; 1.0 \times 10^6$ per ANSI/ESD STM 97.1 with conductive footwear (meets or exceeds recommended guidelines of ANSI/ESD S20.20)</td>
</tr>
</tbody>
</table>

**Staticworx Eclipse Rubber ESD benefits:**

- Easy to maintain, never needs conductive wax
- Helps minimize production loss and rejects
- Resistant to most oils and grease
- Chemical and hot solder resistant
- Withstands forklift/heavy wheeled traffic up to 850 PSI rolling load
- Slip resistance in compliance with ADA guidelines

**Staticworx Eclipse Rubber ESD flooring is ideal for:**

- Electronics manufacturing, assembly, test and repair
- Explosives Applications per NAVSEA OP 5 and DOD 4145.26M
- Any area where circuit boards are handled or used
- Engineering areas
- Design areas
- Research and development
- Electronics labs
- Access floors
- Networked offices
- Hospitals
- Meets the IBM Ohms resistance range for use in Data Centers
- Flight towers
- Command centers
- Casinos
- Communications Industry: TV & radio studios
- Retail environments

The information presented is accurate and current but may be subject to change without notice.

**Your “Sweet Spot” for Safe Conductivity**

![Safety Zone Diagram](image)

All Staticworx flooring is within the safe range shown here.

**Please note:** The ESD Journal has given Staticworx EC Series its Seal of Approval and Danglemayer Associates has qualified Staticworx Eclipse Rubber ESD for ESD Class Zero applications.