



ESD FLOOR MAT SELECTION GUIDE

A static control mat provides a path to ground for charge on items placed on the mat. Electrically insulative items will not allow their charge to transfer to ground. ESD mats are an integral part of an ESD program.

HOW TO TEST ESD MATS


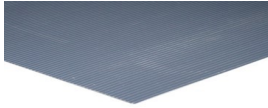

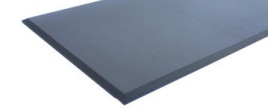

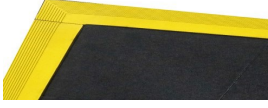

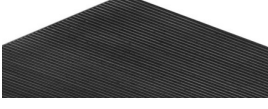

RTG is the resistance from one point on the mats surface to the mats ground point, and is the fundamental electrical test for a mat. A proper RTG insures that a mat can conduct charge from a point on the surface to the mat ground point. The guideline in ESD STM-4.1 for RTG is 1×10^6 to 1×10^9 ohms. ANSI/ESD S-20.20 has an upper limit of $< 1 \times 10^9$ ohms.

RTT is the resistance from one point on the mats surface to another point. A proper RTT insures the consistency of the mat resistance properties. The ESD STM-4.1 guideline for RTT is $> 1 \times 10^6$ ohms.

Our Types of Mats

- VinylSTAT ANTI FATIGUE
- VinylSTAT FLOOR RUNNER
- ComfortDOME ANTI FATIGUE
- ComfortGEL ANTI FATIGUE
- VinylSTAT CHAIR MAT
- TileSTAT INTERLOCKING TILE
- ComfortTREAD ANTI FATIGUE
- GrooveSTAT FLOOR RUNNER
- PV Series INTERLOCKING TILE

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| ESD FLOOR MAT SERIES | MATERIAL CONSTRUCTION (Thickness) | RESISTANCE CLASSIFICATION (RTT in Ohms) | SURFACE | STYLE | APPLICATIONS | PHOTOS |
|-------------------------------------|--|---|----------------|-------------------|--|---|
| VinylSTAT™ FM2 Series | 0.375" Vinyl | Dissipative $1 \times 10^9 - 9 \times 10^{10}$ Ω/sq | Tennis | Anti-Fatigue | Provides Comfort, Reduce Worker Fatigue, Available in Gray or Brown |  |
| VinylSTAT™ FM3 Series | 0.125" Vinyl | Dissipative $1^8 - 9 \times 10^9$ Ω/sq | V-Groove | Floor Runner | Easy to Clean, Non-Slip, Superior Lay Flat Properties |  |
| ComfortDOME™ FM5 Series | 0.50" Rubber | Conductive $10^3 - 10^5$ Ω/sq | Dome Plated | Anti-Fatigue | Anti-Fatigue, Slip Resistant, Available in Custom Mats or Interlocking Runners |  |
| ComfortGEL™ FM6 Series | 0.625" Foam | Dissipative 5.68×10^7 Ω/sq | Light Texture | Anti-Fatigue | Anti-Microbial, Water Resistant, Exceptional Comfort, Available in Black and Gray (limited) |  |
| VinylSTAT™ FM7 Series | 0.90" Vinyl | Conductive $10^3 - 10^6$ Ω/sq | Light Texture | Floor Runner | Prevents Wear and Tear on Flooring, Available as Chair Mat or Floor Runner. Perfect for Office Setting |  |
| TileSTAT™ FM8 Series | 0.75" Rubber | Conductive $1 \times 10^4 - 10^6$ Ω/sq | Light Texture | Interlocking Tile | Easy Assembly, Optional Yellow Border, Anti-Fatigue, Heavy Duty |  |
| ComfortTREAD™ FM9 Series | 0.50" Rubber | Conductive $10^3 - 10^5$ Ω/sq | Diamond Plated | Anti-Fatigue | Diamond Plated for Superior Traction, Interlocking Sections, Beveled Edges |  |
| GrooveSTAT™ FM10 Series | 0.125" Rubber | Conductive $10^3 - 10^5$ Ω/sq | V-Groove | Floor Runner | Non-Slip Surface, Easy to Clean, Available in Custom Mats or Full Rolls |  |
| PV Series Industrial Matting | 1" Vinyl | Dissipative $1 \times 10^5 - 5 \times 10^8$ Ω/sq | Diamond Plated | Interlocking Tile | Low Compression, Firm, Tolerates Harsh Conditions, Optional Yellow Beveled Edges |  |