

## ESD Rubber Mat for Tables and Benches: ZVG-3000 (zero voltage gradient) ESD Mats

Staticworx ZVG-3000 ESD Rubber Mat material is a durable, two-layer, nitrile rubber material. The top, blue layer is **static dissipative** and the bottom, black layer is the conductive underlayment. Choose loose-lay or glue installation methods, which ever best suits use situation. **ESD mats must be grounded to be an effective ESD component** (connected to earth potential using a ground cord). Ideal for meeting Class 0 ESD requirements.

### BENEFITS

- Heat resistant
- Halogen-free
- D.O.P. free (Phthalate-free)
- Fully complies with IEC 61340-5-1
- Cleanroom compatible
- Plasticizer-free
- Meets Class 0 standards
- Outperforms ESD laminate and vinyl
- Unaffected by “voltage suppression” (see definition) – will discharge charged object to zero volts. Read more about voltage in this article.

(\*Note: ESD experts recommend static dissipative table covering and electrically conductive flooring for meeting ANSI/ESD S2020-2007 compliance standards).

### SPECIFICATIONS

<b>Material thickness</b>	2.0 mm
<b>Conductivity Warranty</b>	Lifetime
<b>Standard</b>	ASTM D 257
<b>Decay Time</b>	< 2 secs. EIA 541
<b>Dimensions</b>	32' L (custom cut to length)
<b>Resistance (Point to Ground, measured using 100 v)</b>	107 Ohms / sq EOS/ ESD STM 4.2-2006 ESD Protective Worksurfaces -- Charge Dissipation Characteristics
<b>Resistivity (top surface)</b>	107 Ohms / sq per ASTM D 257

## How it works

### Blue = Static Dissipative Layer

Safely removes up to a 5000 volt charge in under one one-hundredth of a second, leading it down through to the bottom conductive layer.



### Black = Conductive Layer

Attracting static electricity from the top layer, quickly draining it to Ground, this layer's job is to protect sensitive devices in contact with the top layer. This conductive layer eliminates the need for ground cords when the mat is used on a grounded table.

## Color Available

Pacific Blue

