

# StaticWorx Rubber ESD

## StaticWorx EC Series – (Electrically Conductive) Modular Rubber Tile Flooring Systems

SPECIFICATIONS	Staticworx Rubber EC (Electrically Conductive)
Tile size	24" X 24"
Sheet size	4' X 39.8'
Material thickness	2 mm
Conductivity Warranty	Lifetime conductivity per guidelines of ANSI/ESD S20.20.
Standard	ASTM F 1344, for solid color homogeneous tiles and through-mottled tiles as applicable
Abrasion Resistance	Taber abrasion test, ASTM D 3389, H-18 wheel, 500 gram load, 1000 cycles, gram weight loss not greater than .70
Hardness	ASTM D 2240, Shore A, not less than 85
Slip Resistance	Static coefficient of friction (James Test): ASTM D 2047, equal to or greater than 0.6, ADA guidelines compliance
Asbestos-Free	Products shall contain no asbestos.
Flammability	ASTM E 648; NFPA 253; NBSIR 75 950 result to be not less than 0.45 watts per square centimeter, Class 1
Smoke Density	ASTM E 662, NFPA 258, NBS smoke density, less than 450
Burn Resistance	Solder burn resistant
Halogen-Free	Products shall contain no halogens
PVC-Free	Products shall contain no poly-vinyl-chloride
Conductivity	50,000 ohms to 1,000,000 ohms ( $1.0 \times 10^6$ ) resistance to ground when tested according to ASTM F 150 and ESD.S7.1 under >30% relative humidity at room temperature
Decay Time	.025 seconds for Staticworx when tested according to FTM 4046 101
Static Generation	<10 volts when tested according to ESD STM 97.2
System resistance	< $1.0 \times 10^6$ per ANSI/ESD STM 97.1 with conductive footwear (meets or exceeds recommended guidelines of ANSI/ESD S20.20)

### StaticWorx Rubber ESD benefits:

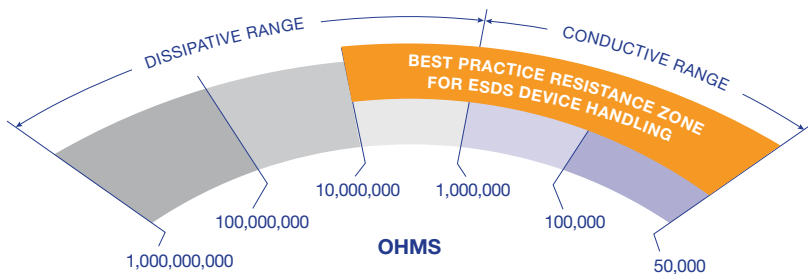
- Easy to maintain, never needs conductive wax
- Lowest outgassing rating of any cleanroom floor
- Lowest charge generation properties - superior to vinyl
- Chemical and hot solder resistant
- Slip resistance in compliance with ADA guidelines

### StaticWorx Rubber ESD flooring is ideal for:

- Electronics manufacturing, assembly, test and repair
- Offices inside electronics manufacturing or test areas
- Any area where circuit boards are handled or used
- Engineering areas
- Design areas
- Research and development
- Electronics labs
- Access floors
- Networked offices
- Hospitals
- 911 call centers
- 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.

StaticWorx EC Series rubber tile systems provide superior ESD protection with an electrical resistance to ground within the ideal range for ESD Class Zero environments.



This ideal range regarding electrical resistance for ESD flooring systems is defined in ANSI/ESD S20.20-2007 for system resistance.

**Please note:** Only the **StaticWorx EC Series** (Electrically Conductive rubber tile system) is recommended for ESD Class Zero applications.