

Application/Usage Area	ESD Carpet Tile with Conductive PVC-Free Backing	ShadowFX Modular Carpet Tile	ESD Vinyl Tile (Conductive)	Dissipative SDT Vinyl Tile	ESD Epoxy (Conductive)**	Eclipse Rubber Tile and Sheet
Mission-Critical Data Centers and Networked Offices	NR*	Ideal	NR	NR	NR	Ideal
Mission-Critical Government & NOC	NR*	Ideal	NR	NR	NR	Ideal
Electronics Manufacturing ANSI/ESD S20.20	R	R	Ideal	NR	R	Ideal (Meets Class-0)***
Offices Inside Electronics Manufacturing or Testing	R	Ideal	R	NR	R	Ideal
Engineering Areas in EPAs****	R	Ideal	Ideal	NR	R	Ideal
R&D & Laboratories	NR*	Ideal	R	NR	NR	Ideal
911 Applications	NR*	Ideal	NR	NR	NR	Ideal
Command Centers	NR*	Ideal	NR	NR	NR	Ideal
FAA STD 019 Flight Control	NR*	Ideal	NR	NR	NR	Ideal
Clean Rooms	NR	NR	R	NR	R	Ideal
Hospital/MRI	NR*	Ideal	NR	NR	NR	Ideal

Ideal = Highly Recommended R = Recommended NR = Not Recommended

* ESD grade carpet tile is not recommended for use in FAA flight areas, data centers, 911 dispatch areas, or communication rooms because it is too conductive. ESD grade carpet tile can measure as low as 2.5×10^4 . ESD grade carpet tile with conductive recycled backing does not meet the minimum resistance limits of FAA STD 019e, IEEE 1100-2005, Motorola R56 or ATIS-0600321-2010. Before specifying ESD grade carpet tile in these applications Staticworx recommends reviewing the appropriate grounding standards with a technical resource.

** Static Dissipative Epoxy does not meet the kV rating limits of ANSI/ESD S20.20 in all the applications shown above.

*** Eclipse EC Rubber is the only ESD flooring certified as Class-0 Qualified.

**** EPA: ESD Protected Areas

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