

ESD COATING	Carbon Black	Multi-layer Epoxy w/Conductive Groundplane	ESD Urethane	Epoxy Acrylate
	Generation 1	Generation 2	Generation 3	Generation 3
Electrical Specification/ANSI S20.20				
Always meets ANSI/ESD S20.20	Yes	No ¹	Yes	Yes
Available in dissipative (>1.0 10E6)	No	Yes	Yes	Yes
Available in conductive (<1.0 10E6)	Yes	No	Yes	Yes
Measures below 100V w/heel straps per STM 97.2	Yes	No	Yes	Yes
Measures below 100V w/ESD shoes	Yes	Yes	Yes	Yes
Material				
Requires carbon black ground plane	No	Yes	No	No
Available in light colors	No	Yes	Yes	No
Scratch resistant	No	No	Yes	No
Installation				
Can be applied over sub- or old floors in one coat	Yes	No	Yes	Yes
Can be repaired with a single coat	Yes	No	Yes	Yes
Gloss finish without use of sealer or wax	No	Yes	Yes	No

In qualification testing, multi-layer epoxies that rely on a groundplane fail 97.2 walking body tests with heel straps.