

Sikafloor® Conductive Electrostatic Control Epoxy System

High-Build, Smooth Finish Epoxy Conductive ESD Flooring of 28 – 32 mils

Description Sikafloor ESD Conductive Epoxy Conductive Electrostatic Control System consists of Sikafloor 220W Conductive Primer, and Sikafloor 200C ESD. The system is designed to impart electrostatic control properties to a variety of substrates in conjunction with ESD footwear, including existing non-conductive substrates. The system provides very low body voltage values (BVG) when used with the appropriate ESD standards. Maintains electrical conductivity throughout the entire thickness of the system. Meets low resistance requirements for NFPA 77 and other hazardous applications - (2.5×10^4 to 1.0×10^6 ohms) per ANSI/ESD S7.1/ASTM F-150. Meets Class 0 requirements for ANSI S20.20 electronics applications. Sikafloor 220W Conductive primer and Sikafloor 200C ESD are typically installed on a standard Sikafloor epoxy concrete primer, Sikafloor moisture tolerant primer or Sikafloor 81 EpoCem, specifically formulated for self-leveling and structurally reprofiling damp “green” or saturated surface dry concrete slabs with excessive moisture. When installed on existing epoxy coatings, an isolation layer of Sikafloor epoxy coating is required.

Where to Use Sikafloor 200C ESD can be used in almost any environment where the damaging effects of electrostatic discharge (ESD) cannot be tolerated. Industries currently using these coatings are:

- Electronics
- Data Processing
- Military/Aerospace
- Printing Industry, Photographic/graphic arts
- Hazardous industries (dust or explosion hazards) (requires Sikafloor 220W Conductive primer and Sikafloor 200C ESD).

Advantages

- Consistent resistance measurements are obtained when testing in accordance with standard methods.
- Very low body voltage generation values possible when wearing heel straps C or SD footwear.
- Conforms to ANSI S20.20, $< 3.5 \times 10^7$ ohms when tested in accordance with ANSI STM 97.1
- Available in conductive range (2.5×10^4 to 1.0×10^6) ohms per ANSI/ESD S7.1/ASTM F-150 when Sikafloor 200C ESD is used in conjunction with Sikafloor 220W.
- Sikafloor 200C ESD will impart static dissipative resistance readings as a stand-alone topcoat on top of a standard epoxy concrete primer such as Sikafloor 161.
- Maintains electrical conductivity throughout the entire thickness of the system.
- Does not depend on relative humidity for conductive properties.
- Tough, smooth, non-porous surface is easy to clean and maintain.
- Good abrasion resistance.

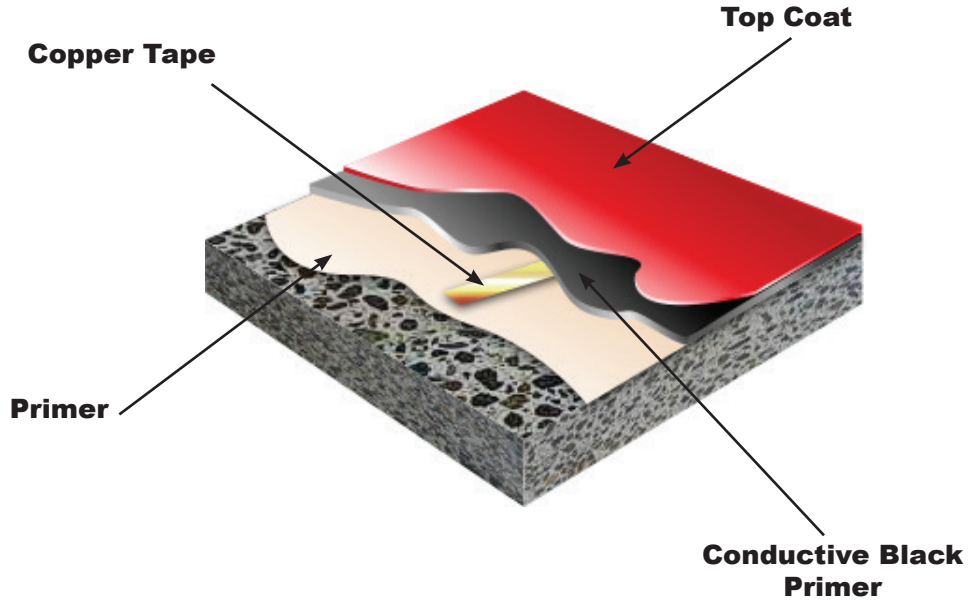
Industrial Flooring



System Build Up

Coating	Product Name	Typical Thickness (mils)
Primer	Sikafloor 161	8 -10
Conductive Black Primer	Sikafloor 220W	4 - 6
Top Coat	Sikafloor 200C ESD	16

System Build Up Step Diagram



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