

# Sikafloor® Electrostatic Control Novolac Epoxy System

High-Build, Smooth Finish Novolac Epoxy ESD Flooring of 24 – 26 mils

**Description** Sikafloor ESD Novolac Epoxy Electrostatic Control System consists of Sikafloor 700 ESD designed to impart electrostatic control properties to a variety of substrates in conjunction with ESD footwear, including existing non-conductive substrates. The system provides low body voltage values (BVG) when used with the appropriate ESD standards. Maintains electrical conductivity throughout the entire thickness of the system. Conforms to ANSI S20.20; Flooring/footwear combination resistance of  $< 3.5 \times 10^7$  ohms when tested in accordance with ANSI STM 97.1. Sikafloor 700 ESD is typically installed as a stand-alone top coat 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 700 ESD can be used in almost any environment where the damaging effects of electrostatic discharge (ESD) cannot be tolerated and require excellent chemical resistance. 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 700C ESD)

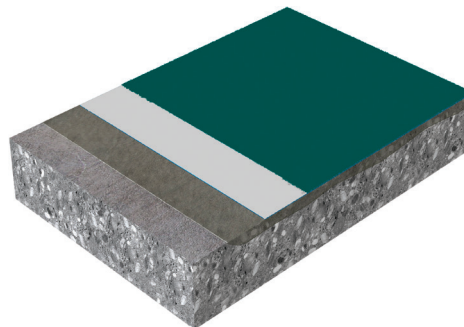
**Advantages**

- Increased chemical resistance, may be used for secondary containment applications.
- 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 ( $2.5 \times 10^4$  to  $1.0 \times 10^6$ ) ohms per ANSI/ESD S7.1 when used in conjunction with Sikafloor 220W.
- Sikafloor 700 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 conductivity properties.
- Tough, smooth, non-porous surface is easy to clean and maintain.
- Good abrasion resistance.

**System Build Up**

Coating	Product Name	Typical Thickness (mils)
Primer	Sikafloor 161	8 -10
Top Coat	Sikafloor 700 ESD	16

**System Build Up Step Diagram**



# Industrial Flooring



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