BUILDING TRUST

PRODUCT DATA SHEET

Sikafloor®-2350 ESD NA

ELECTROSTATIC DISSIPATIVE EPOXY FLOOR COATING

PRODUCT DESCRIPTION

Sikafloor®-2350 ESD NA is a two-component ESD epoxy coating system utilizing carbon nano tube to impart electrostatic control properties to a variety of substrates in conjunction with ESD footwear, including existing non-conductive substrates. ANSI S20.20-2021 compliant resistance range to meet specific industry and DOD standards. Sikafloor®-2350 ESD NA will impart static dissipative resistance readings as a stand-alone topcoat on top of standard epoxy concrete primers such as Sikafloor®-161, Sikafloor®-160, Sikafloor®-165 FS, Sikafloor®-1620, or a conductive system when used in conjunction with Sikafloor®-220 W.

USES

Sikafloor®-2350 ESD NA may only be used by experienced professionals.

Sikafloor®-2350 ESD NA 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 Manufacturing
- Data Processing Facilities
- Military/Aerospace
- Printing Plants
- Photographic/Graphic Arts Studios
- Pharmaceutical/Clean Rooms
- Hazardous/Combustive Environments

CHARACTERISTICS / ADVANTAGES

- Conforms to ANSI S20.20-2021. Static dissipative range $1.0x10^6$ to $1.0x10^9$ ohms per ANSI S7.1/ASTM F150.
- Conforms to ANSI/ESD 97.1 with compliant footwear or shoe grounders. Conductive range of $2.5x10^4$ to $1.0x10^6$ when used with Sikafloor®-220 W NA Conductive Primer.
- Body voltage generation under 15V with ESD compliant footwear per ANSI/ESD 97.2.
- Consistent resistance measurements are observed when testing in accordance with standard methods.
- Sikafloor®-2350 ESD NA will impart static dissipative resistance readings as a stand-alone topcoat on top of a standard epoxy concrete primer such as Sikafloor®-161, Sikafloor®-160, Sikafloor®-165 FS, or Sikafloor®-1620.
- 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.
- Abrasion resistance.
- Meets or exceeds ANSI 326.3-21 for DCOF. Please contact Sika Flooring Technical Service for individual values.

PRODUCT INFORMATION

Packaging	Part A	2.8 US gal.
	Part B	1.5 US gal
	Sikafloor® Epoxy Pigment Pack	1 quart can
	A+B+Sikafloor® Epoxy Pigment Pack	4.55 US gal.
Shelf Life	12 months from date of production	
Storage Conditions	The product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between 41°- 86°F (5° - 30°C). Refer to the current Safety Data Sheet for information on safe handling and storage.	

TECHNICAL INFORMATION

Shore D Hardness	81	ASTM D2240
Abrasion Resistance	0.017g loss	ASTM D4060 C-17/1000Rot/1000g
Compressive Strength	10,442 psi (72 MPa)	ASTM D695
Tensile Strength	8,122 psi (56 MPa)	ASTM D638
Chemical Resistance	Please Consult Sikafloor Technical Services	
Electrostatic Behavior	$2.5x10^4$ to $1.0x10^6$ (with Sikafloor®-220W) $1.0x10^6$ to $1.0x10^9$ Ohms (without Sikafloor®-220W)	ASTM F150
Elongation at break	4%	ASTM D638

APPLICATION INFORMATION

Coverage	20 - 30 mils	365 ft² (34 m²) per 4.55 US gal. (17.22 L) unit at 20 mils wft 243 ft² (22 m²) per 4.55 US gal. (17.22 L) unit at 30 mils wft
Product Temperature	Minimum	59 °F (15 °C)
	Maximum	86 °F (30 °C)
Ambient Air Temperature	Minimum	59 °F (15 °C)
	Maximum	86 °F (30 °C)
Substrate Temperature	Minimum	59 °F (15 °C)
	Maximum	86 °F (30 °C)
Pot Life	30 min (300 g mix)	

Cure Time	**Foot Traffic at 73 °F (23 °C)**	**Light Traffic at 73 °F (23 °C)**	**Full Cure at 73 °F (23 °C)**
	12 hours	24 hours	7 days

BASIS OF PRODUCT DATA

Results may differ based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions.

ENVIRONMENTAL, HEALTH AND SAFETY

For further information and advice regarding transportation, handling, storage and disposal of chemical products, user should refer to the actual Safety Data Sheets containing physical, environmental, toxicological and other safety related data. User must read the current actual Safety Data Sheets before using any products. In case of an emergency, call CHEMTREC at 1-800-424-9300, International 703-527-3887.

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

The concrete surface must be clean and sound. Remove any dust, laitance, grease, oil, dirt, curing agents, impregnations, wax, foreign matter, coatings and detritus from the surface by appropriate mechanical means, in order to achieve a profile equivalent to ICRI/CSP 3-4 for floors and ICRI/CSP 1-3 for walls. The compressive strength of the concrete substrate should be at least 3,625 psi (25 MPa) at 28 days and at least 218 psi (1.5 MPa) in tension.

MIXING

Mixing ratio - A with pigment : B = 2:1

Premix each component separately, including the Sikafloor® Epoxy Pigment Pack to ensure product uniformity. For all colors, add one (1) quart Sikafloor® Epoxy Pigment Pack for every 2.8 US gallons of Component A resin and mix at low speed (300-450 rpm) for three (3) minutes until a uniform color is achieved using a drill fitted with an Exomixer® or Jiffy type paddle. Be careful not to introduce any air bubbles during the mixing process. Empty Component B (Hardener) in the correct mix ratio to Component A (Resin) and mix for an additional three (3) minutes. Be careful not to introduce any air bubbles while mixing. Make sure the contents are completely mixed to avoid any weak or partially cured spots in the coating. During the mixing operation, scrape down the sides and bottom of the container with a flat or straight edge trowel at least once to ensure complete mixing.

It is very important to mix components A and B for at least 3 minutes to stabilize the color.

APPLICATION

Apply Sikafloor®-2350 ESD NA in a single coat at a thickness of approximately 20 mils (covering 80 square feet per mixed gallon). Applications thinner than 18 mils will result in an 'orange peel' texture. Use a notched squeegee and a 3/8-inch quality solvent-resistant roller cover for application. Apply at a uniform thickness for a consistent appearance. For back-rolling, use the largest roller practical for the application size. Keep application areas as small as possible to avoid long tie-in times and ensure there are enough resources to manage the area efficiently. Back roll the material to distribute it evenly, making one final pass with the roller at a 90° angel to the application direction.

OTHER RESTRICTIONS

See Legal Disclaimer.

LEGAL DISCLAIMER

- **KEEP CONTAINER TIGHTLY CLOSED**
- **KEEP OUT OF REACH OF CHILDREN**
- **NOT FOR INTERNAL CONSUMPTION**
- **FOR INDUSTRIAL USE ONLY**
- **FOR PROFESSIONAL USE ONLY**

Prior to each use of any product of Sika Corporation, its subsidiaries or affiliates (“SIKA”), the user must always read and follow the warnings and instructions on the product’s most current product label, Product Data Sheet and Safety Data Sheet which are available at usa.sika.com or by calling SIKA’s Technical Service Department at 1-800-933-7452. Nothing contained in any SIKA literature or materials relieves the user of the obligation to read and follow the warnings and instructions for each SIKA product as set forth in the current product label, Product Data Sheet and Safety Data Sheet prior to use of the SIKA product.

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