

Sika Corporation

October 13, 2010

RE: **Circuit Tech**
341 New Albany Rd #130, Moorestown, NJ 08057

SUBJECT: ESD FLOOR CONFORMANCE TESTING

ANSI/ESD STM97.1

Below are the test results of the Sika ESD control flooring system installed at Circuit Tech on October 13, 2010.

Executive Summary: All areas tested are within specification for ohms resistance (Rtg), according to test method ANSI/ESD STM97.1

Test Date: October 13, 2010

Test Method: Specify: ANSI/ESD STM97.1

Test Equipment: 3M 701 megohmmeter with a hand held probe and an electrical ground or ground floor point. Applied voltage test at 100 volts. Conductive heel straps (both feet).

Rtg = Resistance point to ground

Area(s) Tested: Main production area

Condition: 45% relative humidity; 66.2°F temperature

<i>Area in Bldg.</i>		<i>High Reading</i>	<i>Low Reading</i>	<i>Avg. Resistance Point to Ground</i>
Summary	PASS	1.0 x 10 ⁷	1.0 x 10 ⁷	1.0 x 10 ⁷

The above chart is a summary of results according to the above mentioned test methods. Conformance to association standards or project specifications is subject to review. Sika provides post testing service at the request of the customer. The information contained within this document are true and accurate to the best of our knowledge. The interpretation and use of this document is solely the responsibility of the user.

Sincerely,

Sika Floor

Erik S. Van Anglen
ANSI ESD Certified Auditor Plant Level 1
B10L1-406

cc: ESD File



Testing Procedure: Record temperature and Humidity, Pre-Test Equipment, take a minimum of 5 tests per contiguous floor surface or 5 tests per 5,000 square feet of floor material, whichever is greater. Wear intended footwear for at least 10 minutes prior to testing. Connect hand held Probe to positive lead and connect negative lead to known ground. Set meter to 10v and apply test voltage. If the floor is known to be greater than 1.0×10^6 , use 100v as the test voltage. Stand on the surface to be tested and Apply test voltage and record after the measurement has stabilized or after 15 seconds has elapsed. Repeat with only the left foot in contact with the surface and the other foot held in the air and record resistance. Repeat with only the Right foot in contact with the surface and the other foot held in the air and record resistance. A minimum of 3 of the 6 tests should be conducted in those areas that are subject to wear or that have chemical or water spillage or are visibly dirty.

MEASUREMENT	Both Feet on Floor Check (√)	Left Only Check (√)	Right Only Check (√)	Resistance (Ohms) Magnitude x Exponent	Pass	Fail
1.	✓ 1.0×10^7	1.0×10^7	1.0×10^7	1.0×10^7	✓	
2.	✓ 1.0×10^7	1.0×10^7	1.0×10^7	1.0×10^7	✓	
3.	✓ 1.0×10^7	1.0×10^7	1.0×10^7	1.0×10^7	✓	
4.	✓ 1.0×10^7	1.0×10^7	1.0×10^7	1.0×10^7	✓	
5.	✓ 1.0×10^7	1.0×10^7	1.0×10^7	1.0×10^7	✓	
	✓ 1.0×10^7	1.0×10^7	1.0×10^7	1.0×10^7	✓	
6.	✓ 1.0×10^7	1.0×10^7	1.0×10^7	1.0×10^7	✓	
7.						
8.						
9.						
10.						
11.						
12.						
13.						
14.						
15.						

Reporting:	E. Van Anglen
Date:	10-13-09
1. Average	1.0×10^7
2. Median	1.0×10^7
3. Maximum	1.0×10^7
4. Minimum	1.0×10^7
5. Number of Observations	6

Notes: 3M meter used for system test at 100V test voltage.



All information provided by Sika Corporation ("Sika") concerning Sika products, including but not limited to, any recommendations and advice relating to the application and use of Sika products, is given in good faith based on Sika's current experience and knowledge of its products when properly stored, handled and applied under normal conditions in accordance with Sika's instructions. In practice, the differences in materials, substrates, storage and handling conditions, actual site conditions and other factors outside of Sika's control are such that Sika assumes no liability for the provision of such information, advice, recommendations or instructions related to its products, nor shall any legal relationship be created by or arise from the provision of such information, advice, recommendations or instructions related to its products. The user of the Sika product(s) must test the product(s) for suitability for the intended application and purpose before proceeding with the full application of the product(s).

Sika reserves the right to change the properties of its products without notice. All sales of Sika product(s) are subject to its current terms and conditions of sale which are available at www.sikacorp.com or by calling 201-933-8800.

Prior to each use of any Sika product, the user must always read and follow the warnings and instructions on the product's most current Technical Data Sheet, product label and Material Safety Data Sheet which are available at www.sikafloorusa.com or 800-933-8800. Nothing contained in any Sika materials relieves the user of the obligation to read and follow the warnings and instruction for each Sika product as set forth in the current Technical Data Sheet, product label and Material Safety Data Sheet prior to product use.

