EOS/ESD Association Services, LLC

Product Test Report

Bertech ESD Anti Fatigue Mats
Model: AF Series

Testing per:
ANSI/ESD STM7.1-2020

Technician - Brennan Pimpinella

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Five samples of Bertech's AF floor mats were tested as provided. The samples only had one groundable point. The surface resistance point to groundable point (RtG) and point-to-point (Rtt) were tested according to ANSI/ESD STM 7.1.

Test Date: 2/6/2026
Conditioning Temperature: 23°C
Conditioning Time: 72 hours
Test Temperature: 23°C
Operator: Brennan Pimpinella

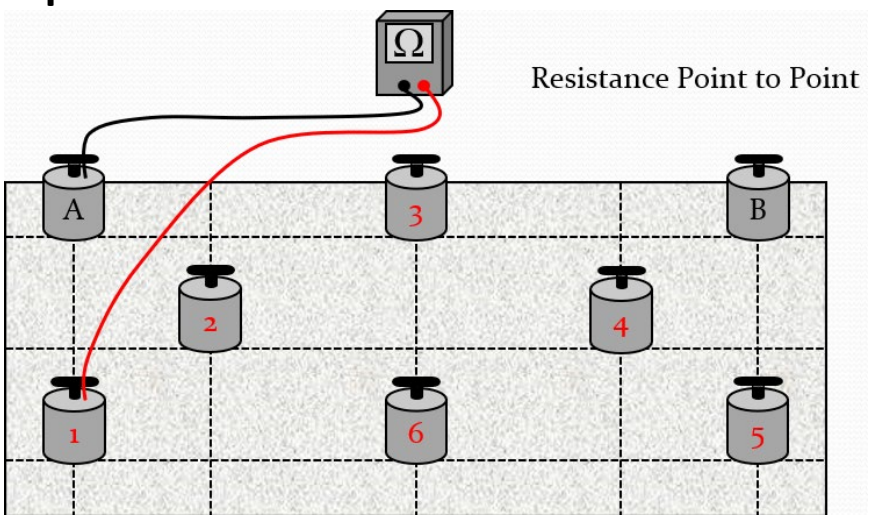
Test Facility: EOS/ESD Association Services LLC
Conditioning Humidity: 16 to 19% R.H.

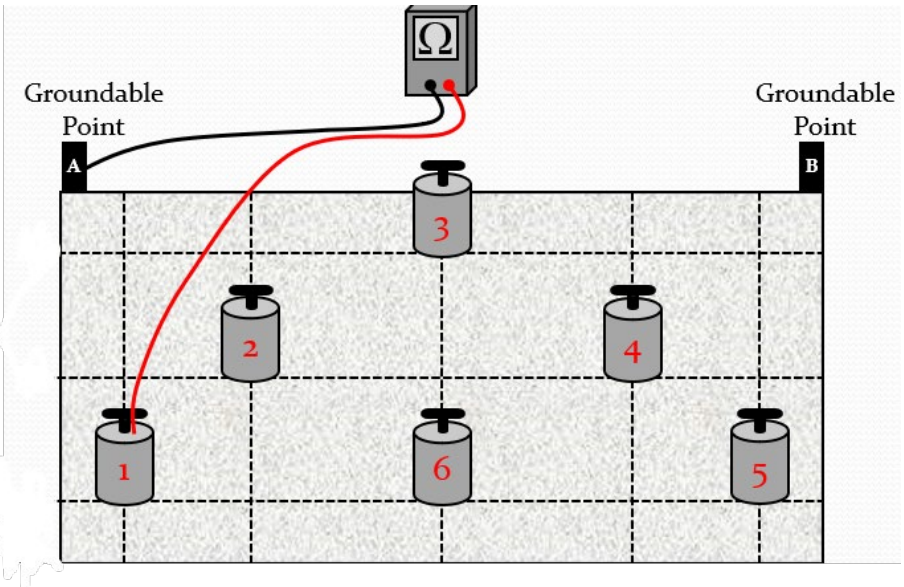
Test Humidity: 10% R.H.
Equipment: PRS-801B Resistance System

Equipment Verification

Upper Resistance	Electrification period in seconds	Test Voltage
1.38E+14	20	100

Schematic of test points





AF Floor Mat

AF Sample 1	Point to Groundable Point	
Location	**Resistance, ohms**	**Test Voltage, volts**
A-1	6.44E+08	100
A-2	5.72E+08	100
A-3	7.59E+08	100
A-4	8.40E+08	100
A-5	1.00E+09	100
A-6	7.48E+08	100
	Summary	
Minimum	5.72E+08	
Maximum	1.00E+09	

AF Sample 1	Point-to-Point	
Location	**Resistance, ohms**	**Test Voltage, volts**
A-1	3.58E+08	100
A-2	3.09E+08	100
A-3	4.47E+08	100
A-4	5.85E+08	100
A-5	7.00E+08	100
A-6	4.47E+08	100
B-1	7.37E+08	100
B-2	5.71E+08	100
B-3	4.48E+08	100
B-4	2.93E+08	100
B-5	3.12E+08	100
B-6	4.41E+08	100
	Summary	
Minimum	2.93E+08	
Maximum	7.37E+08	

AF Sample 2	Point to Groundable Point	
Location	**Resistance, ohms**	**Test Voltage, volts**
A-1	9.50E+08	100
A-2	8.13E+08	100
A-3	6.70E+08	100
A-4	5.04E+08	100
A-5	5.45E+08	100
A-6	7.16E+08	100
	Summary	
Minimum	5.04E+08	
Maximum	9.50E+08	

F Sample 2	Point-to-Point	
Location	**Resistance, ohms**	**Test Voltage, volts**
A-1	3.77E+08	100
A-2	2.80E+08	100
A-3	4.13E+08	100
A-4	5.42E+08	100
A-5	6.79E+08	100
A-6	4.39E+08	100
B-1	7.21E+08	100
B-2	5.44E+08	100
B-3	4.06E+08	100
B-4	2.76E+08	100
B-5	2.98E+08	100
B-6	4.79E+08	100
	Summary	
Minimum	2.76E+08	
Maximum	7.21E+08	

AF Sample 3	Point to Groundable Point	
Location	Resistance, ohms	Test Voltage, volts
A-1	1.00E+09	100
A-2	8.14E+08	100
A-3	7.29E+08	100
A-4	5.17E+08	100
A-5	5.54E+08	100
A-6	7.64E+08	100
	Summary	
Minimum	5.17E+08	
Maximum	1.00E+09	

AF Sample 3	Point-to-Point	
Location	Resistance, ohms	Test Voltage, volts
A-1	3.93E+08	100
A-2	3.16E+08	100
A-3	4.58E+08	100
A-4	5.72E+08	100
A-5	7.03E+08	100
A-6	4.78E+08	100
B-1	7.08E+08	100
B-2	5.38E+08	100
B-3	4.40E+08	100
B-4	2.72E+08	100
B-5	2.74E+08	100
B-6	4.45E+08	100
	Summary	
Minimum	2.72E+08	
Maximum	7.08E+08	

AF Sample 4	Point to Groundable Point	
Location	Resistance, ohms	Test Voltage, volts
A-1	8.52E+08	100
A-2	6.91E+08	100
A-3	6.14E+08	100
A-4	4.56E+08	100
A-5	4.94E+08	100
A-6	6.18E+08	100
	Summary	
Minimum	4.56E+08	
Maximum	8.52E+08	

AF Sample 4	Point-to-Point	
Location	Resistance, ohms	Test Voltage, volts
A-1	3.47E+08	100
A-2	2.98E+08	100
A-3	3.91E+08	100
A-4	5.17E+08	100
A-5	6.39E+08	100
A-6	4.22E+08	100
B-1	6.48E+08	100
B-2	4.86E+08	100
B-3	3.75E+08	100
B-4	2.46E+08	100
B-5	2.79E+08	100
B-6	4.14E+08	100
	Summary	
Minimum	2.46E+08	
Maximum	6.48E+08	

AF Sample 5	Point to Groundable Point	
Location	Resistance, ohms	Test Voltage, volts
A-1	9.88E+08	100
A-2	8.18E+08	100
A-3	7.08E+08	100
A-4	5.32E+08	100
A-5	5.74E+08	100
A-6	7.57E+08	100
	Summary	
Minimum	5.32E+08	
Maximum	9.88E+08	

AF Sample 5	Point-to-Point	
Location	Resistance, ohms	Test Voltage, volts
A-1	3.68E+08	100
A-2	3.26E+08	100
A-3	4.37E+08	100
A-4	5.43E+08	100
A-5	7.04E+08	100
A-6	4.42E+08	100
B-1	7.48E+08	100
B-2	5.60E+08	100
B-3	4.49E+08	100
B-4	2.83E+08	100
B-5	3.14E+08	100
B-6	4.71E+08	100
	Summary	
Minimum	2.83E+08	
Maximum	7.48E+08	

The limit for flooring in ANSI/ESD S20.20 – 2021 is less than $1x10^9$ ohms.

According to the Min and Max Resistance of each sample, the samples tested met the requirements for flooring except for two test points that measured $1.00x\ 10^9$ ohms.

2/6/2026

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Submitted to Client by:

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