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QUALIFICATION REPORT – ANSI/ESD S20.20 STATGUARD® LOW-VOC DISSIPATIVE FLOOR FINISH

ANSI/ESD S20.20	Statguard® Test Results	Test Methods
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Resistance Point-to-Point (ohms) @ 12% RH, 23°C, 72 hours conditioning, N=5 specimens, 100V

@ 12% RH, 23°C	< 1.0 x 10 ⁹	See Table 1	ANSI/ESD STM7.1
@ 50% RH, 23°C	< 1.0 x 10 ⁹	See Table 2	ANSI/ESD STM7.1

Testing Equipment (Calibration records and test results are located at our corporate lab (Canton, MA)):

- Environment Chamber with ETS Automatic Humidity Controller (Model 514)
- Desco Electrodes for Surface Resistance (Model 50003)
- Desco Surface Resistance Meter (Model 19291)
- Specimen substrate (if applicable): Vinyl Tile

Test Data:

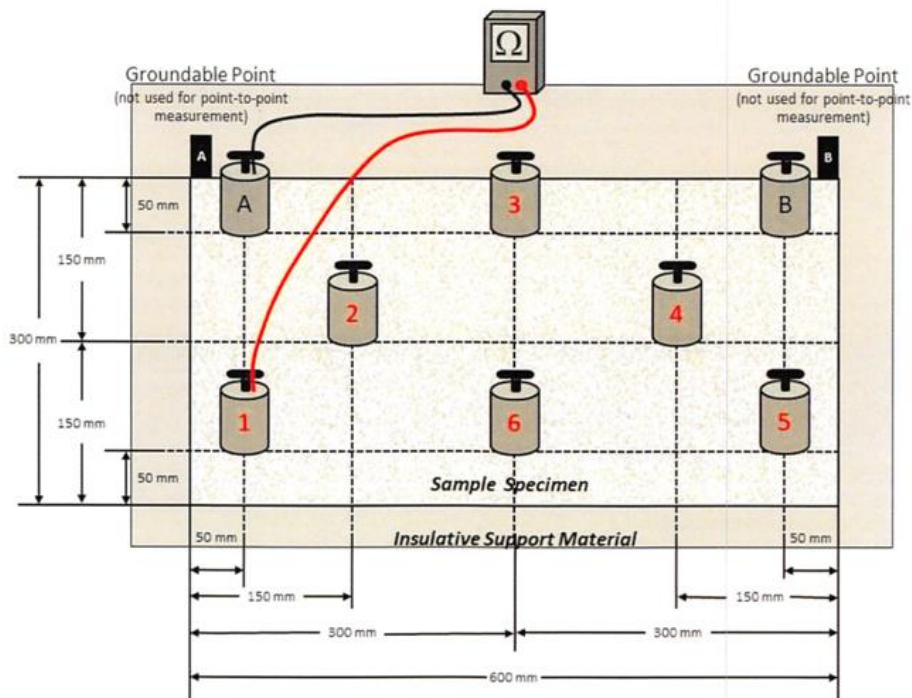
Table 1 - Resistance Point-to-Point at 12%RH, 23°C – Test date:

ANSI/ESD STM7.1 Figure 2	Sample #1	Sample #2	Sample #3	Sample #4	Sample #5
Position A-1	1.43 x 10 ⁸	1.06 x 10 ⁹	1.57 x 10 ⁹	1.23 x 10 ⁸	1.43 x 10 ⁸
Position A-2	1.31 x 10 ⁸	4.33 x 10 ⁹	9.94 x 10 ⁹	1.35 x 10 ⁸	1.44 x 10 ⁸
Position A-3	1.16 x 10 ⁸	6.76 x 10 ⁹	3.98 x 10 ⁹	2.06 x 10 ⁸	2.15 x 10 ⁸
Position A-4	2.68 x 10 ⁸	7.87 x 10 ⁹	9.60 x 10 ⁹	4.38 x 10 ⁸	4.17 x 10 ⁸
Position A-5	4.65 x 10 ⁸	7.76 x 10 ⁹	5.28 x 10 ⁹	7.93 x 10 ⁸	9.66 x 10 ⁸
Position A-6	2.18 x 10 ⁸	4.89 x 10 ⁹	3.33 x 10 ⁹	4.62 x 10 ⁸	3.98 x 10 ⁸
Position B-1	5.79 x 10 ⁸	7.81 x 10 ⁹	9.73 x 10 ⁹	1.02 x 10 ⁸	8.97 x 10 ⁸
Position B-2	4.38 x 10 ⁸	7.92 x 10 ⁹	9.16 x 10 ⁹	4.65 x 10 ⁸	6.03 x 10 ⁸
Position B-3	4.66 x 10 ⁸	5.89 x 10 ⁹	8.72 x 10 ⁹	3.15 x 10 ⁸	5.34 x 10 ⁸
Position B-4	2.96 x 10 ⁸	1.15 x 10 ⁹	9.29 x 10 ⁹	1.94 x 10 ⁸	3.52 x 10 ⁸
Position B-5	4.09 x 10 ⁸	9.34 x 10 ⁸	6.90 x 10 ⁹	3.59 x 10 ⁸	2.83 x 10 ⁸
Position B-6	4.65 x 10 ⁸	3.47 x 10 ⁹	8.08 x 10 ⁹	6.46 x 10 ⁸	5.19 x 10 ⁸
Min.=	1.16 x 10⁸	9.34 x 10⁸	1.57 x 10⁹	1.02 x 10⁸	1.43 x 10⁸
Max. =	5.79 x 10⁸	7.92 x 10⁹	9.94 x 10⁹	6.46 x 10⁸	9.66 x 10⁸

Table 2 - Resistance Point-to-Point at 50%RH, 23°C, Test date:

ANSI/ESD STM7.1 Figure 2	Sample #1	Sample #2	Sample #3	Sample #4	Sample #5
Position A-1	5.86×10^6	1.42×10^7	9.53×10^6	1.19×10^7	5.32×10^6
Position A-2	5.15×10^6	8.26×10^6	1.04×10^7	4.84×10^6	4.67×10^6
Position A-3	9.02×10^6	1.27×10^7	1.50×10^7	6.81×10^6	6.28×10^6
Position A-4	1.36×10^7	2.55×10^7	2.12×10^7	1.15×10^7	9.93×10^6
Position A-5	2.09×10^7	3.98×10^7	2.67×10^7	1.74×10^7	1.49×10^7
Position A-6	1.19×10^7	1.79×10^7	1.49×10^7	1.06×10^7	9.15×10^6
Position B-1	1.98×10^7	4.17×10^7	2.32×10^7	2.21×10^7	1.66×10^7
Position B-2	1.61×10^7	3.22×10^7	1.94×10^7	1.17×10^7	1.19×10^7
Position B-3	1.17×10^7	2.71×10^7	1.79×10^7	8.96×10^6	9.40×10^6
Position B-4	7.76×10^6	1.85×10^7	1.03×10^7	5.11×10^6	6.45×10^6
Position B-5	1.11×10^7	2.04×10^7	1.15×10^7	7.76×10^6	7.30×10^6
Position B-6	1.14×10^7	2.64×10^7	1.46×10^7	1.03×10^7	1.00×10^7
Min.=	5.15×10^6	8.26×10^6	9.53×10^6	4.84×10^6	4.67×10^6
Max. =	2.09×10^7	4.17×10^7	2.67×10^7	2.21×10^7	1.66×10^7

References:



ANSI/ESD STM7.1 – Figure 2: Resistance Point-to-Point Measurement

Statguard® Static Dissipative Floor Finish is available from these Desco Industries brands:

Desco Industries Inc Brands	Item#
Statguard Flooring	46014, 46024, 46025, 46026
Desco	10514, 10550, 10551, 10552
Desco Europe	10551
Desco Asia	10550