

Conclusion: KRETUS Poly Dissipative Flooring met ANSI/ESD S20.20 qualification testing for Commercial, Space & Defense ESD Protocols.

Test sample submission: Delivered in Excellent Condition.

The ESD Testing Plan constituted the preconditioning of said specimens for 72 hours minimum and required testing at 12%±3%RH; 73°F±5°F. It should be noted that all prototype samples were planar (flat) and free of warpage, well marked and labeled.

RMV employed the use of a Prostat 801B and 2-NFPA 5-Lb Electrodes calibrated with a Reference Calibration Unit. A Trek 158 Charge Plate SN: 1031 and 3247 was employed.

The testing plan was as follows:

**ESD Test Plan**

**1.0 Floor Resistance (RTG & R<sub>pp</sub> or R<sub>11</sub>)**

ANSI/ESD STM7.1 (Ω) Limit: <1.0 x 10<sup>9</sup> Ω

**2.0 Resistance in Combination with a Person, Footwear and Flooring**

ANSI/ESD STM97.1(Ω) Limit: <1.0 x 10<sup>9</sup> Ω

**3.0 Voltage in Combination with a Person, Flooring and Footwear**

ANSI/ESD STM97.2(Ω) Limit: <±100 volts

**4.0 Electrostatic Decay**

MIL-STD-3010C, Method 4046 Limit: 2.0 seconds Max.

**PASSED**



In Short, the flooring falls into the dissipative range between 1.0 x 10<sup>6</sup> Ω to ,1.0 x 10<sup>9</sup> Ω and within 2 orders of magnitude and PASSED the ANSI/ESD STM7.1 testing. Resistance of the floor measurement in combination with a person (ANSI/ESD STM97.1) and footwear measured <1.0 x 10<sup>9</sup> Ω and PASSED this series of testing. The voltage in combination with a person, flooring and footwear per ANSI/ESD STM97.2 produced no voltage in excess of ±15 volts for a PASS at <±100 volts. The KRETUS floor product PASSED this test and is very low charging.