



June 16, 2017

Maxon Technologies
5400 W. Rosecrans Ave.
Hawthorne, CA 90250
Attn. Lee Greer
Re: Insulation Resistance Testing of Coating Samples

Below is a summary of the testing performed on the coating samples provided by Maxon.

Sample	Insulation Resistance @ 5kV for 1 Minute	Approximate Thickness
111-R-560	230 Giga ohms	65mil
111-560A	499 Giga ohms	85mil
111-560B	1,479 Giga ohms	95mil
R-M-111-560	>10,000 Giga ohms	90mil

The tests were performed at a temperature of approximately 70F and 32% relative humidity. The coating thickness varied, so accurate coating thickness measurements were difficult to measure. The samples were tested using a 1" cylindrical electrode on the surface of the coating which was connected to the positive terminal of the AEMC insulation resistance instrument and the plate itself was used for the negative electrode. The test results include the overall combined surface and volume resistance of the samples. Giga ohm values represent resistance in ohms x 1,000 Mega ohms and 1 Mega ohm is equal to 1 million ohms. Thus the samples appear to be very good insulators.

We understand that the process area where the coatings are proposed to be used contain equipment capable of producing over 100,000 amps of current and it would be desirable to subject the samples to these magnitudes of current. However, since the samples have been determined to be insulators from the results of the testing they prevent the flow of current and therefore it would not be possible to have any substantial amounts of current go through the insulation.

Thank you for the opportunity to be of service,

Don Genutis
President
Halco Testing Services

