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## EMI / RFI Shielding

Electromagnetic Interference (EMI) and Radio Frequency Interference (RFI) are electromagnetic waves generated by electronic devices which may negatively affect other or similar electronic devices. EMI and RFI Shielding, as we apply it, is a wet spray operation primarily used in electronic devices such as computers and medical devices. The purpose of the coating is to shield the unit from other frequency signals that may interfere with the functionality of the device.

We are currently supplying over 15,000 painted parts per month for use in airplanes. The assembled unit is part of the next generation of in-flight communication and entertainment systems. The part will provide a myriad of uses such as a telephone, internet connections, and in flight entertainment such as movies, music and games.

We test the ohm resistance and document and certify our production. We can apply your selected coating, recommend coating that we currently work with or develop a procedure to meet your needs. Our featured EMI coating is Electrodag 438, which is an acrylic lacquer that is compatible with most plastics that are commonly used in electronic cabinetry equipment. Electrodag 438 will yield an ohm resistance of less than

