

**CURTISS -
WRIGHT**

Evershield Electrostatic Control Coatings



Evershield® Electrostatic Control Coatings

Evershield dissipative and conductive coatings offer cost-effective solutions to your electrostatic control problems.

The smaller, more compact electronics components now appearing in the marketplace are particularly susceptible to damage or failure caused by electrostatic discharge. This is of increasing concern to manufacturers and users. Electronic equipment manufacturers are searching for means to eliminate these problems and thus ensure the operational integrity of these new higher performance products.

E/M Corporation has the answer. For more than three decades, we have manufactured and applied advanced engineered coatings to solve problems associated with wear, corrosion and temperature control for the aerospace, automotive and countless other industries. Our Electronics Coating Division has been manufacturing and applying EMI/RFI shielding coatings for the electronics industry. Now, the combination of the technologies from these two divisions has given E/M the ability to develop and custom design an extremely wide range of coating materials and processes for ESD control.

We know that no two problems are identical. So E/M has developed the means to custom formulate our Evershield coatings to meet each manufacturer's unique requirements. Our product development engineers will tailor coatings to provide:

- Specific rates of static decay
- A wide range of surface resistance
- Excellent wear resistance
- Outstanding corrosion protection
- High temperature and cryogenic stability
- Low or high friction
- Solar absorption and reflection
- Aesthetic and decorative appearance

Performance Properties of Evershield® Electrostatic Control Coatings

Static Dissipative Coatings

Surface Resistance:

1×10^5 to 1×10^{10} ohms per square

Excellent Wear Resistance

Outstanding Corrosion Protection

High Temperature and Cryogenic Stability

Good Lubricity or High Friction Surfaces

Controlled Rate of Static Decay

Available in Colors:

White, Gray, Black and

Brushed Aluminum

Conductive Coatings

Surface Resistance: 0.01 to 10^5 ohms per square

Excellent Wear Resistance

Outstanding Corrosion Protection

High Temperature and Cryogenic Stability

Good Lubricity or High Friction Surfaces

High Levels of EMI/RFI Shielding

Available in Colors:

Silver, Copper and Black

E/M's staff of product specialists will work with you from the initial design stages to production to provide a complete solution to your electrostatic control problems.

EM Corporation

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