

ZERIOS CONFORMAL COATING

ACRYLIC AEROSOL

**CORROSION
PROTECTION**

Zerios Conformal Coating is a single component, non-conductive, transparent coating for printed circuit boards (PCB) and related solid-state circuitry. Zerios Conformal Coating chemically inhibits corrosion while providing a barrier to moisture, dust and fungi. It can be used on production lines as well as isolated field applications such as radios, switchgear circuits, and relay boxes and can be used to maintain 10⁹ Ohms resistance in both point-to-point and/or point-to-ground tests.

Recommended Product Applications

Recommended applications for Zerios Conformal Coating include, but are not limited to, the following:

- Printed Circuit Boards (PCB)
- Radio parts
- Electrical components
- Internal computer parts

Application Guidelines

Surface Preparation

Prepare surfaces to be coated by removing all dirt, grease/oil and other contaminants. Protect adjacent areas by masking and/or drop cloth.

Application

Apply at 45°- 90°F., < 85% relative humidity and at a dew point spread >5°F. Shake can for two minutes after metal ball within begins to rattle. Repeat periodically throughout use. Spray 8 - 12" from surface in an even sweeping motion, overlap successive passes and release button at the end of each stroke. Avoid drips and runs by applying in multiple coats rather than one heavy coat. Clear spray tip after use, by holding can upside down and spraying until only gas is expelled.



Zerios Conformal Coating can be sprayed onto electrical components to prevent corrosion.

Product Description

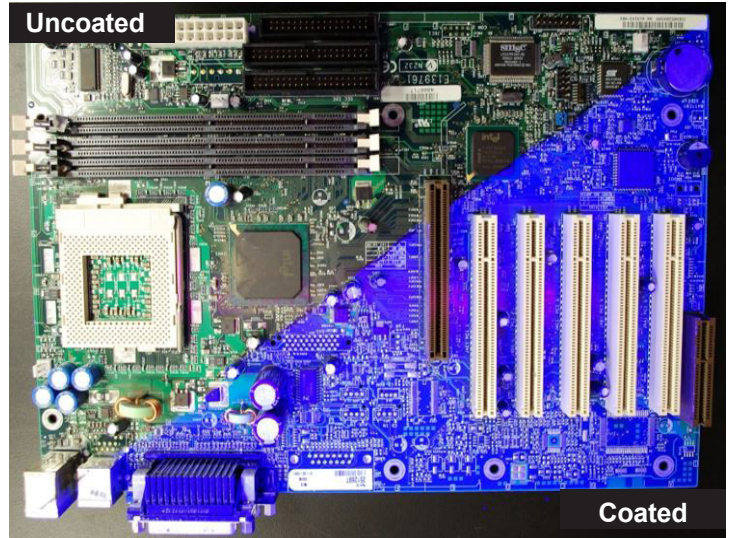
Zerios Conformal Coating employs an easily detectable UV dye that glows under black light (365 nm) to visually verify thorough coverage of all areas. RoHS compliant.

Regulatory Compliance

Toluene-free and compatible with most circuit board stock (test plastic components before use) and meets MIR guidelines for the Federal Government as well as the State of California.

Safety and Handling

FLAMMABLE: Do not use around flames or other ignition sources. Use in well ventilated areas. Store containers in dry, well ventilated area from 50-100F and away from direct sunlight. Consult Safety Data Sheet (SDS) for further information.



UV Tracer Glows Under Black Light

Physical Properties

Wet Film Characteristics	
Category	Details
Volume Solids	Aerosol: 13% Bulk: 53%
Dry to Touch	5 Minutes
Dry to Recoat	10 Minutes
Dry to Handle	1-Hour
Full Cure	4-Hours
Theoretical Coverage	20 Ft ² / 12 oz. can

Dry Film Characteristics	
Category	Details
Electrical Resistance @ 1.0 mil DFT	>10 ⁹ Ohms (50% RH)
Salt Fog (ASTM B117)	100+ hours
Humidity (ASTM D1748)	100+ hours
Flexibility	3/8" Mandrel, Pass

Availability

Availability

Available in 12 oz. aerosol cans (12 cans/case - bulk available upon request).

Storage

Shelf life: 24 months

Store containers in dry, well ventilated area from 50-100F and away from direct sunlight.

Part No. 350-X-00022AC