



TECHNICAL DATA SHEET

GENERAL DESCRIPTION
– SUBJECT TO CHANGES OR DEVIATIONS

GulfCoat[®] Circuit Shield™ Aerosol Coating – Circuit Board Conformal Coating

APPLICATIONS IDEALLY SUITED FOR GULFCOAT[®] CIRCUIT SHIELD™

- HVAC/R Conformal Circuit Boards
- Elevator Control Panels
- Telephone Communication Boxes
- Outdoor Timers and Switches
- Traffic Lighting and Rail Crossing Control Panels
- Automotive, Heavy-Duty Truck & Off-Highway Equipment

PRODUCT DESCRIPTION

GulfCoat[®] Circuit Shield™ Aerosol Coating is specifically designed to provide a protective layer for the protection of printed circuit board components to minimize the effects of corrosion and mitigate the problems caused by pests such as geckos, ants and mice. The aerosol coating can be applied at your premises or on-site after installation.

SPECIFICATIONS

HVAC printed circuit boards shall have GulfCoat[®] Circuit Shield™ Aerosol spray applied. The spray coating process should ensure a uniform dry film thickness of 25-50 µm (.04 -1.4 mils) and shall pass IPC-CC-830C standards for; dielectric withstanding 1500 volts, moisture/insulation resistance and thermal shock.

PROPERTY	TEST METHOD	PERFORMANCE
Salt Spray	ASTM B117	Exceeds 5,000 hours
Direct Impact	ASTM D2794	Pass 160#
Pencil Hardness	ASTM D3363	HB-F
Cross Hatch Adhesion	ASTM D3359	5B
Humidity	ASTM D2247	1000 hours minimum
UV Resistance	ASTM D4587	1000 hours minimum
Mandrel Bend (Flexibility)	ASTM D522M	Pass 1/4"

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