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PC BOARD TREATMENT

Product Description

Bluchem's PC board treatment is a conformal polyurethane coating that forms a protective transparent insulating film over printed circuit (PC) boards. The coating is formulated to protect printed circuit boards against creepage and short circuits and is resistant to diluted acids, alkalies, alcohol, humidity and salt laden air. The coating resists high temperatures, is drip proof and can be soldered through. A minimum of 4 coats are applied to all exposed areas of the PC board.

Applications

- Printed circuit boards, to protect against creepage, condensation, moisture and salt water corrosion.
- Coating terminal strips, screw connections, and switch boxes that are exposed to atmospheric effects.

Features & Benefits

- **Humidity and Salt Spray Resistant.** Provides heavy corrosion protection to preserve and lengthen useful life of equipment.
- **Long-Term Indoor/Outdoor Protection.** Protects for up to 2 years for long term storage of parts, equipment and machinery. Offers up to 2 years protection to electrical connections etc.
- **Resists High Temperatures.** Maintains electrical characteristics over a temperature range of -67°C to 120°C.
- **High Di-Electric Strength.** High surface and volume resistivity.

Performance Characteristics

Time to fully cured	:	72 hours
Di-electric strength	:	3000 volts/mil
Corrosion resistance	:	Up to 2 years outdoors

WARRANTEE

Bluchem offers a 2 year warrantee on the 'coating on the PC board' from the date of application if applied by Bluchem and yearly maintenance contracts is in place with a reputable air-conditioning servicing company. PC Boards should be blown clean using dry air at least once every six (6) months during routine maintenance.

WARRANTEE CONDITIONS

Part 1

For how long? The warranty covers the "coating on the PC board", for the first twenty four (24) months, beginning with the original application date.

How is the Coating Warranty coverage defined? The maximum liability for all PC boards coated with Bluchem's anti-corrosion treatment is applied as follows: Should the original PC board require re-coating due to external atmospheric corrosion, Bluchem shall re-coat the PC board using, at our option, one of our Field Spray Applicators or a Bluchem In-House Spray Facility. The warranty does not include the cost of travel, subsistence, freight, sales tax, and/or duties, and will be subject to evaluation by Bluchem on a per claim basis.



Part 2

1. Other items not covered under this warranty:

- 1.1. Damage originating internally, such as from corrosive liquids or gases inside the condensing unit.
- 1.2. Damage from improper PC board cleaning methods, such as but not limited to the use of high pressure steam/water or air spray (+ 50psi / 3.5 Bar). Unauthorized chemicals or un-proven PC board cleaners or methods not consistent with Bluchem's warranty maintenance program or other abrasive actions or products.
- 1.3. Damage from other miss-use, neglect, or any other intentional or accidental act, or any act of nature which compromises the integrity of Bluchem's PC board protective coating applied for protection against external corrosion.

2. **Bluchem's workmanship** is warranted for thirty (30) days from the date of coating application. Our workmanship warranty is limited to parts coated, disassembled or re-assembled by Bluchem's trained technicians for the purpose of coating the relevant equipment.

3. **Bluchem reserves the right to** in its opinion and as an option, visually inspect any PC board (prior to re-coating), either by onsite inspection or requiring photograph and/or video evidence of external corrosive damage.

4. **Re-coating** of an original PC board does not extend the original warranty.

5. **Bluchem's liability** does not extend beyond the Terms or Conditions of the warranty. Bluchem shall not be liable for any damages caused by equipment or failure of operation of equipment, or a manufacturer's defect in the equipment.

We neither assume nor do we allow anyone else to assume for us, any additional liabilities. No person, company or entity of any type or manner can make, represent or construe any other terms or obligations under this warranty without our written consent.

Part 3

What you must do to keep this coating warranty valid:

1. **Owner is to provide** normal maintenance including scheduled PC board cleanings. Cleaning PC boards are considered normal maintenance during the life of equipment. Maintenance requirements are part of the Warranty and should begin immediately following installing of equipment. Failure to keep a unit serviced may void all or part of this warranty.
2. **Owner is to give** prompt attention to needed repair and service of coating.
3. **Owner is to schedule** PC board cleaning and inspection of coating in accordance with the terms of this warranty. PC board shall be cleaned using low pressure dry compressed air only. PC boards shall be cleaned no less than once every six months.