

## PCBA Conformal Coating

Protecting Electronics in harsh environments is essential for long-term reliability. **C-MAC MicroTechnology Test House Services** can provide the ultimate protection from condensation and potential fungal growth.

### Our service includes:

- Disassembly of equipment (if required)
- Full ESD protection throughout
- Pre-coat clean (if required)
- Masking
- Post coat inspection
- Re-assembly (if required)
- Rework to partially or completely remove coating

### Conformal Coat using:

- Acrylic
- Polyurethane
- Silicone (dip)

### Markets Include:

- Military and Aerospace
- Offshore / Industrial
- Medical
- Automotive

### Other Test House Services:

ISO 17025 Accredited Test Methods

- High & Low Temp storage
- Temp Cycle & Thermal shock (Air to Air)
- Thermal Shock (Liquid to Liquid)
- High Humidity, Steady State and Cyclic
- Salt Mist & Salt Corrosion
- High & Low Temp storage at low pressure
- Vibration, Sinusoidal and Random

- Shock
- Bump
- Acceleration, Steady State
- Resistance to Solvents (Marking)
- Solderability (Steam aging if required)
- Robustness of terminations
- Insulation resistance
- AC / DC Electrical tests

Inspection under UV Light



Dedicated Spray Booth



**For a formal quotation call +44 (0) 1493 743100 or email  
info@cmac.com or fax this form to +44 (0)1493 858536.**

Description	Delete/complete where applicable	Comments/Details	Notes
Qty of boards			
Disassembly required (please provide details)	Y/N		
Board dimensions* LxWxH in mm. Max for silicon dip only is 350 x 350mm	Length: Width: Height:		
Coating material (acrylic will be used without preference stated)	Acrylic/ Plyurethane/ Silicone		
Pre-clean required? **	Y/N D.I. Water Safewah Abzol		
Masking details to be supplied	Engineering- Drawing/ Photograph		
Conformal coating removal only ***	Localised area/ complete board		

\* Maximum practical board dimensions for spraying: 600mm x 500mm

\*\*Deionised water only to be specified where water soluble flux has been used

\*\*\*Component rework services available by separate agreement

**Standards:**

IPC-CC-830B Qualification and Performance of Electrical Insulating Compound for Printed Wiring Assemblies

IPC-A-610 Acceptability of Electronic Assemblies

IPC/EIA J-STD-001 Requirements for Soldered Electrical and Electronic Assemblies

**Materials:** Humiseal 1B31, 1A33 and 1H20. Electrolube HPA, DCA(SCC3). Others upon request.