



ACRYLIC CONFORMAL COATING **CLEAR PROTECTIVE COATING FOR ELECTRONICS**

AMBERSIL ACRYLIC CONFORMAL COATING is a quick drying, transparent insulating and protective coating based on acrylic resins.

A low viscosity, solvent drying acrylic based conformal coating with excellent insulating properties. The lacquer is transparent and flexible. It has a durable adhesion in the temperature range from -40°C to $+60^{\circ}\text{C}$ and can be used for a short period of time up to $+100^{\circ}\text{C}$ maximum. It protects printed circuit boards and surfaces from humid inorganic-acid or caustic vapours.

APPLICATIONS

Specially developed to protect printed circuit boards. It prevents electrical leakages and short circuits.

As a low viscosity fixing and insulating lacquer, Acrylic Conformal Coating can also be used as extra/after insulation of coils and transformers and reduces operational noise.

DIRECTIONS

- Spray from a distance of 20 to 30 cm on the dry and degreased surface. Pre-cleaning of PCB's is recommended (use Ambersil PCB Cleaner) to remove greases, dirt and flux residues. When finished spraying, clean the aerosol valve by turning the can upside down and pressing the button until only propellant escapes.
- Printed circuit board materials and electronic components generally have a good compatibility with this coating. In case of plastic surfaces (e.g. housings) a compatibility test is always recommend. It is advisable to test its suitability for plastics susceptible to stress cracking (e.g. polycarbonate).
- Contains flammable solvents and hence when working with the product, make sure there is good ventilation in the workplace. Remove all possible ignition sources.

TECHNICAL DATA

Coverage at 20 μm , calculated	: $\pm 1.4\text{m}^2/400\text{ ml spray}$
Viscosity bulk	: 10-20 mPas
Flashpoint	: $<0^{\circ}\text{C}$
Drying time at 20 $^{\circ}\text{C}$ (dry to touch)	: ± 20 minutes
Properties dry film	:
(after 24 hrs drying at ambient temperature, thickness 20-40 μm)	:
Film Colour	: Transparent
Surface resistivity at 20 $^{\circ}\text{C}$: $>10^{13}$
Volume resistivity at 20 $^{\circ}\text{C}$: $>10^{13} \text{ ..cm}$
Dielectric strength	: $>80\text{kV/mm}$

Adhesion to copper plates, measured at ambient temperature :
following 6 hrs at -40°C : Gt 0-1
following 6 hrs at +60°C : Gt 0-1
following ½ hr at +100°C : Gt 0-1
Packaging : 400ml Aerosol

STORAGE

The product may be stored at normal ambient temperatures and has a shelf life of not less than 72 months with correct storage. Aerosols should always be stored below 50°C, away from direct heat and naked flame.

HEALTH AND SAFETY

Health and Safety sheet available separately.

TECHNICAL SERVICE

CRC Industries UK Ltd provides a technical support service and maintains a constant programme of research and development. We are able to assist customers by specific product development to meet particular requirements.

MISREPRESENTATION ACT 1967 TRADE DESCRIPTIONS ACT 1968

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