



Anti-Corrosion

## ACRYLIC CONFORMAL COATING

### PROTECTIVE ELECTRICAL LACQUER

Acrylic Conformal Coating is a transparent, quick drying, 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  $-40^{\circ}\text{C}$  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.

### PRODUCT CODES / FILL SIZES



30235 / 400ml



32057 / 5Ltr

### 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

- Pre-cleaning of PCB's is recommended (use Ambersil PCB Cleaner) to remove greases, dirt and flux residues (Ambersil Flux Remover).
- Contains flammable solvents and hence when working with the product, make sure there is good ventilation in the workplace. Remove all possible ignition sources.
- Spray from a distance of 20 to 30 cm on the dry and degreased surface.
- When finished spraying, clear 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).
- For automatic application, or if a lower viscosity is required, Ambersil Acrylic Conformal Coating Thinners can be added.
- Ambersil Acrylic Conformal Coating Thinners also available - standard hydrocarbon solvents for use with Ambersil Acrylic Conformal Coating. Thinners reduce viscosity and allow for an even and thorough application. Dilute as required to attain required viscosity. Particularly useful in automatic applications.

## TECHNICAL DATA (WITHOUT PROPELLANT)

Coverage at 20µm, calculated	±1.4m <sup>2</sup> /400 ml spray
Viscosity bulk	10-20 mPas
Flashpoint	<0°C
Drying time at 20°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°C	>10 <sup>13</sup>
Volume resistivity at 20°C	>10 <sup>13</sup> cm
Dielectric strength	>80kV/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

## MATERIALS COMPATIBILITY

OK	-
CAUTION	-
NOT OK	-

## STORAGE & SHELF LIFE

The product may be stored at normal ambient temperatures and has a shelf life of not less than 4 years with correct storage. Aerosols should always be stored below 50°C, away from direct heat and naked flame.

## HEALTH AND SAFETY

A separate Safety Data Sheet (SDS) according to EC Regulation 73/404/EEC and 648/2004/EC is available from Ambersil.com or via info.uk@crcind.com

## MISREPRESENTATION ACT 1967

## TRADE DESCRIPTIONS ACT 1968

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Version 3.1  
Created: July 2019  
Updated: October 2020

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