

Technical Data Sheet



PRODUCT DESCRIPTION:	Clear Protective Lacquer	DATE:	August 1994
PRODUCT CODE:	CPL	PAGES:	2
PRODUCT REFERENCE	CPL	REVISION No:	1

PRODUCT DESCRIPTION

Clear Protective Lacquer (CPL) is a general purpose convenient coating designed to protect printed circuit boards from environmental attack. CPL is also ideal for protecting ferrous metals from corrosion. It is available in both aerosol and bulk packaging and are 100% Ozone Friendly. CPL may be completely removed after drying with a suitable solvent. Electrolube 100% Ozone Friendly Ultrasolve (ULS) is ideal. In bulk form CPL may be used in our Dip Coating Machine (DCM) and spray guns. CPL Thinners (CPT) should be used to dilute the coating for spraying applications, and to maintain the viscosity in the dipping machine. CPL is 100% ozone friendly in both aerosol and bulk forms.

If Military specification is required, please ask for details on Electrolube High Performance Acrylic (HPA) and SCC3 (DCA). These coatings hold various European and American Defence Approvals.

PRODUCT USE

For coating electronic circuitry requiring environmental protection to the specification below. Also suitable for the protection of metal windings etc.

FEATURES

- * 100% ozone friendly.
- * High quality glossy finish.
- * Low oxygen permissivity.
- * Good resistance to humidity.
- * Resolderability through the lacquer and for use as a flux.
- * Good surface resistivity.
- * Economical in use.

PROPERTIES

Specific Gravity (20°C):	0.86 g/ml
Flash Point:	12°C
Volume Resistivity (20°C):	20×10^{12} Ohms/cm (of dried coating)
Softening Point (IP58/63):	Ring and ball softening point of dried solids is 88°C. Dried film becomes tacky at approx 70°C

Cont'd...2

Viscosity (20°C):	25 cP
Temperature Range:	-50°C to +100°C
Coverage (Aerosol):	Approx. 13,000 cm ²
Nato Stock No:	8010-99-225-1266

APPROVALS

Meets BS2011: Part 2J: 1967 Class 1-Resistance to mould growth
Meets DEF STAN 59-47 Issue 2 - except solvent resistance and thermal cycling above 100°C
Meets MIL-46058B - except for solvent resistance and thermal cycling above 100°C

Note: If a lacquer is required to meet the solvent resistance and thermal cycling specifications of these two standards, please refer to the Electrolube SCC3 Data Sheet.

PACKAGING

ORDER CODE

CPL Conformal Coating

200ml Aerosol	CPL200H
5 Litre Bulk	CPL05L

CPL Thinners

5 Litre Bulk	CPT05L
--------------	--------

Removal Solvent

200ml Aerosol	ULS200D
400ml Aerosol	ULS400D
1 Litre Bulk	ULS01L
5 Litre Bulk	ULS05L
25 Litre Bulk	ULS25L

Copyright Electrolube 1994

All information is given in good faith but without warranty. Properties are given as a guide only and should not be taken as a specification.