

PRODUCT DESCRIPTION

Fasto 1411 (ElectroKote), is a clear conformal coating, specifically formulated to provide an instantaneous clear, dry, protective coating for PCBs from moisture, corrosion, tracking, dirt & dust, fungus & pollution. It is a solder-through type of coating based on modified acrylate, for easy repairs. It assures long life to components & PCBs against adverse conditions.

TYPICAL APPLICATIONS

Fasto 1411 is suitable for coating PCBs and other electrical & electronic surfaces which are required to be protected from moisture, corrosion, dirt & dust and other contaminants. It can be also be used for all types of printed circuit boards and assemblies, Electronic components and other parts such as battery terminals, bus bars, transformers, etc.

Fasto 1411 can be removed by spraying Fasto 1313 (ElectroKlean) fast drying electrical & electronics parts & contact cleaner.

PROPERTIES OF UNCURED MATERIAL

	Value
Chemical type	Modified Acrylate
Appearance	Clear
Specific Gravity (at 21°C)	0.95
Drying Time (min. at 21°C)	10
Full cure (hours at 21°C)	16
Operating Temperature Range (°C)	-20 to +125
Moisture resistance (As per method 106F of MIL-STD-202F)	
a. Insulation resistance at 500 V DC	
i) Average, ohms	1.6 x 10 ¹²
ii) Minimum, ohms	1.1 x 10 ¹²
b. Dielectric withstand voltage (at 1500 V, leakage current, microamperes)	4.6
Thermal shock (as per method 107B of MIL-STD-202F)	
a. Appearance	Satisfactory
b. Dielectric withstand voltage (at 1500 V AC, leakage current, microamperes)	5.6
Flexibility (As per ASTM D-1676) observed	No cracking or crazing
Flame resistance (As per ASTM D-635)	Self-extinguishing
Coverage	50 Sq.cm/gm.(20 micron film)
Shelf life	1 year

DIRECTIONS FOR USE

(For Spray) Clean the surface of dust, dirt, grease or other contaminants by using Fasto 1313. Mask the surface if required. Shake the can thoroughly. Keep the PCB in horizontal direction. Spray the can by holding 15-20 cm away from printed circuit board. It should be sprayed in criss-cross way, so that uniform coating is obtained. This coating should be allowed to dry before handling the PCB. The coating should touch dry in 10 minutes.

(For Bulk) The PCB's may be brushed or dipped in the solution for 5 minutes and allow to dry for 15-20 minutes (touch dry).

GENERAL INFORMATION

For safe handling of this product consult the Material Safety Data Sheet.

Storage

Optimal storage conditions are between 8°C and 21°C. Storage outside this temperature range can adversely affect product properties and may affect the stated shelf life.

Packaging

Bottles: 550 ml (aerosol spray) & 5 ltr (container)

LIMITATIONS

This product is not recommended for use in pure oxygen and/or oxygen rich systems and should not be selected as a coating against chlorine or other strong oxidizing materials

DATA RANGES

The data contained in this data sheet may be reported as typical value and/or range. Values are based on actual test data and are verified on a regular basis.

NOTES

The information contained herein is produced in good faith and is believed to be reliable but is for guidance only. Fasto India and its agents cannot assume liability or responsibility for results obtained in the use of its product by persons whose methods are outside or beyond our control. It is the user's responsibility to determine the suitability of any of the products and methods of use or preparation prior to use mentioned in our literature and furthermore the user's responsibility to observe and adapt such precautions as may be advisable for the protection of personnel and property in the handling and use of any of our products.