



JD-5702

PCB Conformal Coating

UL File No.E354546

Features

- JD-5702 is a single-component conformal coating that cures to a clear coating. Fluoresces under U.V. light for fault inspection.
- Can be air drying, room temperature curing or accelerated with mild heat to provide faster cure times.
- It's specifically designed as an electrical insulating coating for printed circuitry and components. It has good electrical and sealing properties also has good protection. The cured compound is moisture and weather resistant.

Properties

Color	:	Transparent Blue Liquid(Clear after cured)
Specific Gravity	:	@25°C 1 - 1.1
Viscosity	:	@25°C 500 - 800 cps
Solid Content	:	70 - 80%
Tack Free Time	:	@25°C 30 - 40 Mins (depends on coating thickness)
Cure Time	:	(Thin film) 25°C x 24hrs (72hrs to get full cure) OR 25°C x 1hr + 75°C - 100°C x 0.5 - 3hrs
Hardness	:	Shore A 70 - 80
Elongation	:	200 %
Volume Resistivity	:	1.5 x 10 ¹⁵ ohm-cm
Dielectric Constant	:	1MHz 2.5
Dielectric Strength	:	30 kV/mm (761 Vpm)
Flammability	:	UL94 V-0
Shelf Life	:	@25°C,Unopened 6 months

Usage

- JD-5702 exhibits outstanding adhesion to most metals and non-metallic objects. Preprocess and clean the surfaces which will be coated beforehand to ensure the best performances and results.
- After contacting with moisture in air, JD-5702 will start curing from the surfaces to inner sections. The curing speed is related to the thickness of JD-5702 applied, humidity in air and temperature. The thicker JD-5702 applied or the lower the relative humidity is, the longer the curing time will be. Hence, heat curing may be considered.
- For the best result or to get a thicker film, please always apply a thin film first and just repeat the same operation twice or more times after each thin film previously applied is surface cured.
- After opened, the container must be sealed tightly to avoid water contamination which will reduce the shelf life of the remaining product. Recommend to store JD-5702 at temperatures between 10°C to <40°C.

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