

# Technical Data Sheet



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## Conformal Coating LC-CC8102

### Description

A single-component, modified acrylic coating product that dries quickly and is suitable for a variety of coating methods. After curing, it forms a dense protective film on the surface of printed circuit boards (PCBs), electronic components, integrated circuits, etc., protecting various electronic components and welding points. This product contains a fluorescent indicator that has a fluorescent effect under ultraviolet fluorescent light, making it easy to detect after spraying.

### Application

1. Electronic circuit coating protection, waterproof, mildew-proof, corrosion-resistant, and anti-aging.
2. Especially suitable for PCB circuit board coating protection in smart meters, household appliances, and automotive electronics industries.

### Feature

- Single component, solvent-free
- Reworkable
- Excellent construction performance
- Excellent salt spray resistance
- Excellent high and low temperature resistance
- Excellent waterproof, moisture-proof and other protective properties
- Good wettability, suitable for PCB boards of different materials

### Glue properties before curing:

Color	Colorless to light yellow liquid
Viscosity(mPa.s)	52
Specific gravity	0.83
Surface drying time (23°C/80μm)	5min
Full cure time(80μm)	24h@RT 2h@70°C

### Performance after curing:

Hardness(Shore A)	60
Adhesion(Grade)	0
Elongation at Break(%)	20

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Volume resistivity (ohm-cm)  $8.5 \times 10^{15}$

Dielectric strength (KV/mm) 30

Surface resistance (ohm)  $4.3 \times 10^{14}$

Using temperature (°C) -40~120

Standard conditions: temperature  $23 \pm 2$  °C, relative humidity  $50 \pm 5$  %RH.

## Usage

1. When using, clean the coated surface to remove surface impurities, oil stains and other contaminants to obtain the expected best coating effect;
2. Shake well before use;
3. When applied to PCB boards, it is recommended to place them horizontally to maintain a uniform coating;
4. The cured coating can be repaired with our special cleaning agent.

## Precaution

This product is safe and non-toxic after curing, but it should be avoided from contact with skin before curing. If it splashes into eyes, it should be rinsed quickly with plenty of water. For detailed safety data, please refer to the product safety data sheet.

## Safety and Storage

1kg, 5kg. Can be packaged according to customer requirements.

Store in a ventilated and cool place (4~28°C), shelf life of 12 months;