



## Product Specification

|              |                                  |
|--------------|----------------------------------|
| Product:     | <b>Quick-Drying Copper Paste</b> |
| Part Number: | <b>25L-2908A</b>                 |

- ※ Rapid curing at room temperature (conductive without heating)
- ※ Compatible with flexible substrates, ceramics, glass, metals, etc.
- ※ Easy to use
- ※ Applyable by dispensing, brushing, or spraying after dilution
- ※ High copper content for low resistance
- ※ Excellent adhesion

### Application Scope :

A series of single-component conductive pastes, one of which is a fast-drying conductive copper paste for circuit repair. This paste has a wide range of application substrates (such as PET, glass, ceramics, and other soft or hard substrates), demonstrating excellent compatibility with these materials. Electrodes fabricated using this paste exhibit a bright, fine appearance and dense structure after curing.

### Usage Conditions :

|              |  |
|--------------|--|
| Substrate    | Substrates such as PET, PI, glass, ceramics, and metals  |
| Usage Method | Spotting, Scraping   |
| Solidify     | After construction, it can dry naturally when exposed to air. (Generally, surface drying takes 10-30 minutes, and complete drying occurs within 2 hours. The longer the exposure time, the lower the resistance of the connection will be.) If conditions permit, baking at temperatures below 150°C is recommended; alternatively, accelerated curing can be achieved through enhanced ventilation. The specific baking temperature and time can be adjusted according to actual needs, generally ranging from 5 to 20 minutes. |
| Thinner      | ST-1001  |

**Characteristics :****Paste Characteristics :**

| Characteristic |           | Standard            | Test Method And Conditions   |
|----------------|-----------|---------------------|--|
| 1              | Fineness  | $\leq 5\mu\text{m}$ | FOG test   |
| 2              | Viscosity | 120-320Pa.s         | Brookfield HBT (Boli Fei) viscometer, rotor SC4-14/6R, operating at 10 rpm, with viscosity adjustable to $25\pm 1^\circ\text{C}$ according to user requirements. |

**Save Conditions And Validity Period :**

The product shall be stored in a sealed container at an ambient temperature of  $5\text{-}15^\circ\text{C}$ , with a shelf life of 3 months from the date of manufacture.

**Packaging Method :**

Standard packaging, 20g/10ml syringe vial, other capacities available for repackaging as required.

**Precautions:**

- a. After removal from the refrigerator, allow the product to rest at room temperature until thermal equilibrium is achieved before opening and use. (It is generally recommended to remove and place at room temperature 4 hours prior to use).
- b. This paste contains organic solvents and should be used in well-ventilated areas. Avoid contact with eyes, skin, or clothing during use, and keep away from sources of ignition or burning materials. If contact occurs, clean with a cleaning solution.