

Ag

PRODUCT FEATURES

- ✓ Easy to use and quick drying
- ✓ Excellent electrical conductivity and low surface resistivity
- ✓ Exceptional adhesion to a variety of materials
- ✓ Cures at room temperature
- ✓ Easy & Economic in use

Sil^{CONDUCTIVE}SILVER



Product Description

Conductive Silver is highly conductive in nature. This innovative paste made from a unique combination of compounds, which is developed precisely to form the electrically conductive glue. It usually used to convert an insulative surface into a conductive surface. It provides very low shrinkage, excellent electric conductivity, excellent bonding strength and aging resistance and fast cure speed at lower temperature.



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Quick Facts

CAS	:	7440-22-4
Purity	:	99.9%
APS	:	80-100nm
Appearance	:	Semi-Solid Paste

PROPERTIES

Viscosity	100,000-300,000cP
Resistivity	1.59 $\mu\Omega$.cm, 20 °C
Curing Temperature	120°C-150°C/30-60Sec
Solids Content	65-70%
Density	10.49g/cm ³
Substrate	Plastic Film, ITO glass, ITO film & many more
Adhesion	Non scratch able, add 2% of ECA by volume (little by little)
Storage Temp.	7-15°C

Application

- ✓ Repair PCB tracks or manually draw a simple circuit.
- ✓ RFI & EMI shield for plastic electronic equipment's housings.
- ✓ use it to rebuild corroded ITO tracks
- ✓ Fix defective tiny conductors on a printed circuit board.
- ✓ Majorly used in the manufacturing of PV solar cells.
- ✓ It used mainly for the soldering purpose, primarily in the electronics industries.
- ✓ Repair the heater in the rear windscreen in cars.
- ✓ It can replace the need for soldering temperature-sensitive components to an electric circuit.
- ✓ Inner coating for storage boxes of electronic devices, forming a useful 'Faraday Cage.'
- ✓ An efficiently protects the sensitive internal components from the harmful effects of electromagnetic radiation.
- ✓ Use to make busbars in the switchable smart film.

CLEAN-UP

Equipment can be cleaned using alcohols such as iso-propanol and acetone.

STORAGE AND shelf-life

Shelf life is six months from date of manufacture when stored at -30°C in original, unopened container. Syringe must be maintained at -30°C in a vertical (upright) position with the dispense tip facing down. Do not store syringe on its side (horizontally).

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