

SCP Silver Conductive Paint

SCP provides a thin, smooth, adherent, flexible film of high electrical conductivity that can be applied on a variety of substrates, including plastics, paper, wood, textiles, glass, ceramics and metals. It can be applied by brushing, spraying, dipping, or a pencil and dries quickly at room temperature. SCP is suitable for PCB design and repair, mark sensing e.g. on recording tapes, screening plastic housings against high frequency fields, earthing strips, connections to non-solderable surfaces, electroplating pre-coats, contact surfaces, potentiometer tracks, etc.

- Thin film only required; economic in use
- Good electrical conductivity and low surface resistivity
- Excellent adhesion to wide range of materials
- Cures at room temperature

Typical Properties

| | |
|--|----------------------------|
| Appearance | Grey Liquid |
| Silver content | 45% |
| Carrier | Solvent Blend |
| Viscosity @ 25°C | 70 mPa s |
| Density @ 20°C | 1.44 g/cm ³ |
| Surface Resistance @ 0.6 to 2 g/100cm ² | 0.01 to 0.03 Ohms/sq |
| Electrical Rating | 0.1 to 1 W/cm ² |
| Drying time @ 20°C | 10 minutes |
| Temperature Range | -80°C to +125°C |
| Flash Point | 12°C |

| Description | Packaging | Order Code | Shelf Life |
|-------------------------|------------------|-------------------|-------------------|
| Silver Conductive Paint | 3g Bottle | SCP03B | 24 months |
| | 26g Bottle | SCP26G | 24 months |
| | 50g Bottle | SCP50G | 24 months |
| | 1kg bulk | SCP01K | 24 months |

Directions for Use

Shake or stir the product thoroughly before use. Ensure surface to be coated is clean, dry and free from oil, grease or dirt. Replace cap securely after use to avoid evaporation of the solvents. Use Electrolube CPL after application to prevent oxidation or formation of silver compounds and to prevent mechanical damage.

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All information is given in good faith but without warranty. Properties are given as a guide only and should not be taken as a specification.

Electrolube cannot be held responsible for the performance of its products within any application determined by the customer, who must satisfy themselves as to the suitability of the product.

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