

SCP

Silver Conductive Paint

DESCRIPTION

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.

READ ENTIRE TECHNICAL BULLETIN BEFORE USING THIS PRODUCT

FEATURES AND BENEFITS

- 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

PRODUCT INFORMATION

For available packaging sizes please visit:

electrolube.com

PHYSICAL PROPERTIES

Category	Results
Typical Properties	
Appearance	Grey Liquid
Carrier	Solvent Blend
Density @ 20 °C (g/mL)	1.44
Temperature Range (°C)	-80 to 125
Flash Point (°C)	12
Silver Content	45%
Viscosity @ 25 °C (mPa s)	70
Surface Resistance @ 0.6 to 2 g/100 cm ² (Ohms/sq)	0.01 to 0.03
Electrical Rating (W/cm ²)	0.1 to 1
Drying Time @ 20 °C	10 minutes

APPLICATION GUIDELINES

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 our CPL after application to prevent oxidation or formation of silver compounds and to prevent mechanical damage.

ADDITIONAL INFORMATION

Shelf Life: 24 Months

SAFETY & WARNING

It is recommended that the company/operator read and review the Safety Data Sheets for the appropriate health and safety warnings before use. **Safety Data Sheets are available.**

CONTACT INFORMATION

To confirm this document is the most recent version, please contact

TechnicalSupportTeam@hkw.co.uk

www.electrolube.com

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Also read carefully warning and safety information on the Safety Data Sheet. This data sheet contains technical information required for safe and economical operation of this product. READ IT THOROUGHLY PRIOR TO PRODUCT USE. Emergency safety directory assistance: US 1 202 464 2554, Europe + 44 1235 239 670, Asia + 65 3158 1074, Brazil 0800 707 7022 and 0800 172 020, Mexico 01800 002 1400 and (55) 5559 1588

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