

**Part # SP**  
**SE-101 – Conductive Silver Paint**  
**Technical Data Sheet**

**Product Description:** An air-dry, water-based, conductive silver ink.

**Application:** Conductive ink designed for use on flexible or rigid substrates.  
Recommended for electrical grounding of scanning electron microscopes.

<b>Metal loading:</b>	18%, 36% or 50% Silver
<b>Vehicle:</b>	Cellulosic plus denatured alcohol and water
<b>Viscosity:</b>	Brush/Spray
<b>Thinners:</b>	Water, alcohol; depends on desired drying rate
<b>Drying:</b>	Approximately 3-10 minutes at room temperature
<b>Working Range:</b>	30 - ~470° F
<b>Decomposition Temp:</b>	~470° F
<b>Specific Gravity:</b>	1.132 g/cc
<b>Resistivity:</b>	Depends on formulation; $< 0.4 \Omega/\text{cm}^2$
<b>Adhesion:</b>	Excellent
<b>Organic Solvents:</b>	Good Resistance
<b>Moisture:</b>	Poor Resistance