

PROPERTIES AND TECHNICAL NOTES

SPI Supplies
206 Garfield Avenue,
West Chester, PA 19380, USA

SPI Supplies NO-VOC Silver Conductive Paint

SPI Supplies NO-VOC Silver Paint is a highly conductive, 100% water-based silver paint is designed for making high-performance electrical contacts. This material is VOC free. NO-VOC Silver Paint is optimized for brushing/dipping applications. Primary applications for this material include SEM ground coatings, printed circuit board repair, electroforming, and EMI shielding. Excellent for use on plastic, wood, and ceramic substrates. Because it contains no VOCs, it does not have to be shipped as a hazardous paint.

NO-VOC Silver Paint should perform much like our standard [Silver Conductive Paint](#). It is specially formulated to resist settling of the silver solids. However, it is still suggested that the product is stirred, jar rolled, or shaken well prior to use. If the paint begins to thicken, deionized water may be added to replace water loss or to make slight adjustments for ease of application. [Ultrasonic agitation](#) is suggested to ensure that the paint is thoroughly mixed after adding deionized water.

COMPOSITION PROPERTIES:

Silver Content:	40.0% +/- 2
Volume Resistivity:	0.00012 ohms-cm
Sheet Resistivity:	0.05 ohms/sq/mil
Viscosity:	8-15 Kcps (Brookfield RVT, Spin #7, 20 rpm, 25 °C)
Density (typical):	1.29 g/cc
Silver Particle Size:	<20 microns
Cure Schedule:	1-2 hours @ 25 °C or 5-10 minutes @ 60-90 °C
Operating Range:	-55 °C to 140 °C
VOC:	0.0gm/l
Thinner:	Deionized Water
Application Temp:	65 °F (18 °C) to 78 °F (26°C)
Shelf Life:	Indefinite in a sealed container (See Note)

NOTE: Water may evaporate from the product while on the shelf and may be reconstituted using DI water.

Paint Film Removal:

Dimethyl Acetamide is suggested as a solvent for removing NO-VOC films.

11/19 eer