CREATIVEMATERIALS

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ISO 9001 CERTIFIED

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122-14

ELECTRICALLY CONDUCTIVE COATING

DESCRIPTION: 122-14 is an electrically conductive ink, coating and adhesive which is particularly useful for electroless plating. This system is designed to maintain stable viscosity during all application methods and has a low odor. The product features excellent adhesion to Kapton, Mylar, glass and a variety of other substrates. Unlike conventional conductive materials, this product is very resistant to abrasion, scratching and thermal aging. Some applications for 122-14 include, but are not limited to, electroless plating, emi/rfi shielding of polyimide flexible circuits, polymer thick film circuitry, membrane switches, conductive ink for polymer thick film circuitry, and coatings for tantalum capacitors.

TYPICAL PROPERTIES:

Viscosity (cps)	500 - 600
Filler	Silver
Percent Silver (Cured)	>83
Volume Resistivity , max. (Ω-cm)	0.0001
Solderable	No
Hydrolytic Stability	Excellent
Useful Temperature Range (°C)	-55 to 200
Thermal Stability (°C)	Good to 325

SUGGESTED HANDLING & CURING: 122-14 is ready to use as supplied. Further thinning may be accomplished by adding small amounts of CMI Thinner 113-12. Prior to using, be certain to resuspend silver. Best properties, for most applications, result when cured for 1 hour at 175°C. Good properties are obtained on a variety of substrates by curing at temperatures ranging from 50°C to 200°C. End user is advised to experimentally determine temperature and time best suited for individual applications.

STORAGE: Shelf life: 3 months at 25°C; or 6 months at 5°C; or 12 months at -10°C.

SAFETY & HANDLING: Use with adequate ventilation. Keep away from sparks and open flames. Avoid prolonged contact with skin and breathing of vapors. Wash with soap and water to remove from skin.

REVISION DATE: 9/19/01 REVISION: A