CREATIVEMATERIALS

www.creativematerials.com

ISO 9001 CERTIFIED

Creative Materials, Inc.
12 Willow Road
Ayer, MA 01432

T 978.391.4700
F 978.391.4705

125-48A/B

BLACK ELECTRICALLY CONDUCTIVE INK

DESCRIPTION: 125-48 A/B is a two component, solvent-resistant, electrically conductive ink and coating suitable for screen-printing. This product features excellent adhesion to ITO, Kapton, Mylar, glass, polycarbonate and a variety of other substrates. This product exhibits a high degree of flexibility and abrasion resistance. 125-48A/B is also resistance to common cleaning solvents such as IPA. 125-48A/B's main use is in touch screen applications where black conductive features are needed. 125-48 A/B is intended to be used in conjunction with 125-47 which is a color matched electrically insulating ink and coating. 125-48 can also be offered in a single component version.

MIXING INSTRUCTIONS: Premix 125-48 Part A, in original container prior to adding curing agent. Add 119-44 curing agent and mix until uniform. At this point the material may be thinned by adding small amounts of 120-08 thinner.

	Part A		B119-44
Mix ratio by weight	100		2.0
Pot-Life once mixed at 25°C		4 Days	

CURE SCHEDULE:

Time	Temperature (°C)
4 hours	80
1 hour	100
20 mins	125

TYPICAL CURED PROPERTIES:

Filler	Carbon Blends
Crease Resistance	Excellent
Volume Resistance (ohm-cm)	1.1
Sheet Resistivity (ohm/sq./mil)	450
Hydrolytic Stability	Excellent
Useful Temperature Range (°C)	-55 to 250
Thermal Stability (°C)	Good to 325

STORAGE: Shelf life: 12 months at 25°C, in unopened, unmixed containers.

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. **Note:** It is not unusual for crystallization B119-44 to occur. Warm to 40-45°C in a water bath to return the material to its original viscosity. The crystallization does not affect the performance of the product in any way. To prevent re-crystallization, store the catalyst at temperatures between 35-45°C.

REVISION DATE: 5/9/12 REVISION: A