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121-33

CARBON FILLED CONDUCTIVE INK FOR ELECTROLUMINESCENT DEVICES

DESCRIPTION: 121-33 is a carbon filled, electrically conductive ink/coating for application by screen-printing, dipping and syringe dispensing. The product features excellent adhesion to Kapton, Mylar, glass, Barium Titanate coated surfaces and a variety of other substrates. Unlike conventional conductive materials, this product is very resistant to abrasion and scratching. 121-33 is designed for printing over Barium Titanate inks for use as a back electrode on electroluminescent devices.

TYPICAL PROPERTIES:

Viscosity (cps)	17,000 – 20,000
Filler	Carbon
Volume Resistance (Ω -cm)	0.076
Sheet Resistivity (Ω /square/mil)	29
Hydrolytic Stability	Excellent
Useful Temperature Range ($^{\circ}$ C)	-55 to 210

SUGGESTED HANDLING & CURING: 121-33 is ready to use as supplied. Further thinning may be accomplished by adding **small** amounts of CMI 102-03. Prior to use, be certain to mix well to resuspend filler. **Best properties, for most electroluminescent applications, result when cured for 30 minutes at 90°C.** Excellent properties are also obtained on a variety of substrates by curing at temperatures ranging from 90°C to 210°C. End user is advised to experimentally determine temperature and time best suited for individual applications.

STORAGE: Shelf life: 2 months at 25°C, or 3 months at 5°C, or 6 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.