



Creative Materials, Inc.  
141 Middlesex Road  
Tyngsboro, MA 01879

T 978.649.4700  
F 978.649.2040

## 124-24

### ANISOTROPIC CONDUCTIVE FLEXIBLE UV ADHESIVE

**DESCRIPTION:** 124-24 is a screen-printable, anisotropic, UV cured adhesive. This product can be used on a variety of substrates such as polycarbonate, treated and untreated polyesters, Kapton, epoxy/glass PC boards and glass.

#### TYPICAL CURED PROPERTIES:

Volume Resistivity ( $\Omega$ -cm)	
(X, Y Axis)	$1 \times 10^{12}$
(Z Axis)	0.0001
Consistency	Smooth paste
Crease Resistance	Excellent
Hydrolytic Stability	Excellent
Useful Temperature Range ( $^{\circ}$ C)	-55 to 140
Thermal Stability ( $^{\circ}$ C)	Good to 220

**SUGGESTED HANDLING & CURING:** Material is ready to use as received. Cure using a 200-300 watt/inch mercury vapor lamp. Speed of cure will vary depending upon available energy. Typical cure time ranges from a few seconds to 1 minute when work is positioned 6-10 inches from lamp. Faster curing can be accomplished by moving lamp closer to work or increasing lamp intensity. When applying two layers, it is sometimes desirable to under-cure the first layer so as to improve interlayer adhesion. NOTE: Direct exposure to UV light source is required for material to cure properly.

**STORAGE:** Shelf Life: 3 months at 25 $^{\circ}$ ; 6 months at 5 $^{\circ}$ 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.

All technical information is based on data obtained by CMI personnel and is believed to be reliable. No warranty is either expressed or implied with respect to suitability in a particular application or possible infringements on patents.