



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

T 978.649.4700
F 978.649.2040

124-19

ANISOTROPIC CONDUCTIVE EPOXY ADHESIVE

DESCRIPTION: 124-19 is a two part, room temperature curing, anisotropic conductive epoxy adhesive. The system is designed to be used for making electrical and mechanical attachments on electrical components and devices. Unlike typical room temperature curing systems, this product always results in excellent anisotropic conductivity and is less sensitive to handling and ambient conditions.

	<u>Part A</u>	<u>Part B</u>
Appearance:	Grey	Light Yellow
Consistency:	Paste	Liquid
Mix Ratio (by weight):	100 (4.5)	22 (1)
Pot Life:	-----	60 minutes

MIXING INSTRUCTIONS: Premix Part A in original container prior to adding curing agent. Add Part B to Part A and mix until uniform.

CURING INSTRUCTIONS: Best results are obtained when product is cured at one of the following schedules:

24 hours @ 25°C, or
60 mins @ 65°C, or
30 mins @ 95°C, or
5 mins @ 120°C

TYPICAL CURED PROPERTIES:

Volume Resistivity (ohm-cm)	
• Z- Axis:	0.001
• X and Y Axis:	1×10^{12}
Tensile Shear (psi)	>1800
Water Absorption (%)	< 0.06
Tensile Strength (psi)	11,200
Solvent Resistance	Excellent
Solderable	No
Specific Gravity	1.24

STORAGE: Shelf life Parts A and B: 12 months in unopened, unmixed containers.

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 results or possible infringements on patents.

REVISION DATE: 3/3/06 REVISION: A