



# PRODUCT INFORMATION

**HIGH TECHNOLOGY MATERIALS**

## METADUCT 1201

### CONDUCTIVE EPOXY ADHESIVE

**METADUCT 1201** is a 100% solids, solvent free, highly conductive adhesive. It is a true plastic solder which can be cured at room temperature or in a few minutes at elevated temperatures - but much lower than any soldering temperatures. Not only does it form tenacious conductive adhesive bonds, but also makes room temperature soldering possible.

**METADUCT 1201** is a true conductor. Its specific resistivity is less than 0.1 ohm-cm. It is supplied in a paste form so that it will not flow when applied. It adheres tenaciously to glass, aluminum, steel, tin, lead, copper, ceramic, most plastics and to many other surfaces.

#### DIRECTIONS FOR USE:

1. Weigh out desired amount of **METADUCT 1201 BASE**.
2. Weigh out 3 parts **METADUCT 1201 ACTIVATOR** for each 100 parts **METADUCT 1201 BASE**. Mix thoroughly. This is important.
3. Apply to the surface. A spatula or wooden tongue depressor is convenient. Thickness of glue line is not critical.

Cure time: Overnight at room temperature (bond will improve over next 2 days), or any one of the following alternate schedules:

100°C	1 1/4 hours	130°C	30 minutes
120°C	45 minutes	150°C	15 minutes

For very high bond shear strength, certain surface preparations are often advisable. Consult our Technical Sales Laboratory.

#### TYPICAL PROPERTIES

##### A. Catalyzed Paste

Pot Life, minutes	90 to 120
Appearance	Silvery paste
Viscosity	Thixotropic

##### B. Cured Conductive Adhesive

Volume Resistivity, ohm-cm	less than 0.1
Operating Temperature, °F	-70° to 350
Shear Strength, psi, @ 75°	
Aluminum/Aluminum	2500
Ceramic/Glass	2700
Flexural Strength, psi	11,400

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FORM 1105 REV. 0

**CLEAN-UP: METASTRIP 701** is a very effective non-corrosive stripping solvent for removal of cured epoxy resin compounds, so that valuable electronic components can be salvaged.