



Product  
Bulletin

# E10-108

## Flexible, Room Temperature, S, Electrically Conductive, Silver Epoxy Adhesive

### GENERAL DESCRIPTION

E10-108 is a two-component, conductive, silver-filled, flexible, epoxy adhesive. This unique formulation is free of solvents and carbon or copper additives.

E10-108 cures at room temperature to form a tenacious bond between similar and dissimilar substrates including glass, plastic, and ceramics, insulates, and metals.

E10-108 is recommended for sealing and coating applications that need a combination of flexibility and good mechanical and electrical properties.

E10-108 has been used extensively in such diversified applications as in the assembly or repair of printed circuit boards, electronic modules, flat cable, high frequency shields, flexible circuits and as a cold solder for high-sensitive components where hot-soldering is impractical.

### APPLICATION

1. Clean and remove any dirt and grease from surfaces to be bonded.
2. Mix components thoroughly, until the color is uniform throughout the mixture.
3. Apply and cure; maintain contact between prepared surfaces until the adhesive has cured.

### SPECIFICATIONS

#### ELECTRICAL PROPERTIES:

Volume Resistivity, ohm-cm.....0.0001

#### HANDLING CHARACTERISTICS:

Base:	Epoxy
Solvent:	None
Carbon Additives:	None
Copper Additives:	None
Reactive Solids Content, %:	100
Mix Ratio: by weight, Resin to catalyst	1:1
Mixed Viscosity at 25°C, cps:	Smooth Paste
Workable Pot Life,	
100 gm. Mass at 25°C:	2 hrs.
Color:	Silver
Cure Schedule:	16 hrs. @ 25°C Or 2 hrs. @ 60°C

#### PHYSICAL CHARACTERISTICS:

Hardness Shore A:	64
Specific Gravity:	2.85
Thermal Conductivity: btu / hr / ft <sup>2</sup> / °F / in	5
operating Temp. Range, °C:	-60 to +115

#### AVAILABILITY and PACKAGING

ALFA E10-108 is available for immediate delivery From stock in:

\*Highly flexible transparent two compartment plastic pouch, each section is filled with premeasured component.

Pouches are supplied in 2,5,10 & 20 gram sizes.

\*Premeasured, pint, Quart, gallon Kits

**PRICE ON REQUEST**

#### THIS PRODUCT IS SOLD FOR INDUSTRIAL USE ONLY, KEEP OUT OF REACH OF CHILDREN.

Read and understand all MSDS before use. Liquid uncured epoxy material may cause skin sensitization or other allergic responses. Prevent all contact with skin or eyes. If contact occurs, flush immediately with plenty of water and get immediate medical attention.

The information given and the recommendations made herein are based on our research and are believed to be accurate but no guarantee of their accuracy is made. In every case we urge and recommend that purchasers before using any product in full scale production make their own tests to determine to their own satisfaction whether the product is of acceptable quality and is suitable for their particular purposes under their own operation conditions. No representative of ours has any authority to waive or change the foregoing provisions but, subject to such provisions, our engineers are available to assist purchasers in adapting our products to their needs and to the circumstances prevailing in their business. Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute a permission, inducement or recommendation to practice any invention governed by any patent, without the authority from the owner of this patent. We also expect purchasers to use our products in accordance with the guiding principles of the Chemical Manufacturers Association's Responsible Care® program.