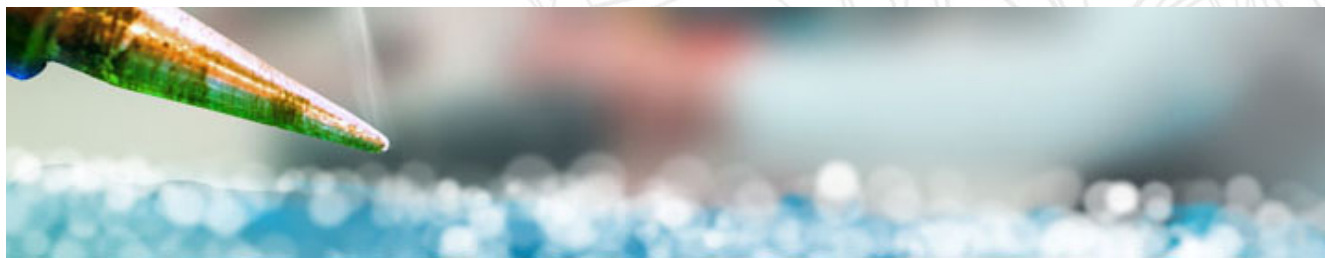


# Dynaloy™ 325 Series



## Silver Epoxy Adhesives



The Dynaloy 325 Series consists of two different products varying primarily in viscosity: Dynaloy 325, and 325-2. These epoxy adhesives are two component pure silver filled epoxies, which combine the excellent adhesive properties of the epoxies with the electrical conductivity of pure silver. They are easy to use because equal amounts of Part A & Part B are mixed together. Dynaloy 325 is a thixotropic to self-leveling material. Dynaloy 325-2 is a self-leveling material.

### APPLICATIONS:

RFI and EMI shielding  
Chip bonding for discrete devices and hybrid circuits  
Connecting ground wires to components and making conductive lines  
Connecting heat sensitive components to printed circuit boards  
Bonding wave guide plumbing; hybrid circuit assembly  
Replace metal solder where temperature or convenience of application is required

### TYPICAL PROPERTIES

	Dynaloy 325	Dynaloy 325-2
Physical Form	Silver Paste	Flowable Paste
Volume Resistivity (@25°C ohm-cm Room Cured)	.006	.006
Volume Resistivity (@25°C ohm-cm Heat Cured)	.003	.003
Tensile Shear Strength psi (@25° C)	1200-2500	1200-2500
Shelf Life (room temperature)	5 months	5 months
Pot Life (room temperature)	1-2 hours	1-2 hours
Thermal Conductivity approx: cal/sec-cm-°C	25 x 10 <sup>-4</sup>	25 x 10 <sup>-4</sup>
Operating Temperature Range	-60°C to 175°C	-60°C to 175°C

### HOW APPLIED:

1. Mix equal quantities of Part A and Part B using either weight or volume. Mix about 1-2 minutes.
2. Clean all surfaces of dirt, oil or any other foreign matter. Apply with spatula, knife, roller, or other convenient method of application.
3. Cure 24 hours at room temperature or 2 hrs. at 60°C for optimum properties. Accelerated curing can be achieved in 15-20 minutes at 150°C.
4. May be used as a conductive coating by adding small amounts of Toluene, Xylene or Solvesso 100 to the mixture of Part A and Part B to lower the viscosity. Allow to air dry if you intend to heat cure.
5. Cured systems may be dissolved or removed with Dynasolve 185 or Hot Decap.
6. Silver may be reclaimed from cured systems with Decap.

### CAUTION:

Avoid skin and eye contact. Wash off affected area with soap and water. Refer to MSDS before use or disposal.



For more information, please contact us at:

**VERSUM MATERIALS, LLC**  
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