Dynaloy™ 340 and 342

Silver Conductive Paint

Dynaloy 340 is a pure silver filled electrically conductive acrylic paint. It exhibits excellent conductivity because of the pure silver and outstanding environmental protection due to the acrylic base. Silver conductive paint 340 sets by solvent evaporation similar to most good lacquer systems. It forms a tough, mar-resistant, flexible film with good adhesion to ceramics, glass, rubber, plastic, and many plastic films. Dynaloy 342 differs from Dynaloy 340 only in carrier solvent used. Dynaloy 342 has the same properties and characteristics as Dynaloy 340 and can be used for the same applications.

APPLICATIONS:

RFI/EMI Shielding
Printed Circuit Repair
Conductive Ink
Component Lead Termination
Electroplating Base
Prototype Circuit Manufacture

TYPICAL PROPERTIES:

Volume resistivity	
Average ohm-cm @ 25°C	0.001
Average ohm-cm force baked @ 125°C	0.0005
Operating Temperature Range	-60°C to +175°C
Shelf Life closed containers	1 year
Coverage 1 mil thickness – Dry Film sq.ft./gal	600

DIRECTIONS FOR USE:

1. Dynaloy 340/342 is self-priming. Surface should be dry, free of oil, grease and loose particle.
2. Dynaloy 340/342 silver conductive paint can be applied as received by dipping, brushing, silk screen, or roller. Thin films will dry tack free in 15 minutes and be completely dry overnight.
3. After air drying to remove solvent, baking at 150°C to 175°C for 30 to 45 minutes will improve electrical conductivity and adhesion.
4. For spraying Dynaloy 340/342, add toluene, lacquer thinner or cellosolve acetate to lower viscosity. These solvents can also be used to remove excess material before it has dried.
5. Although essentially non-settling it is good practice to mix Dynaloy 340/342 before using.

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:

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