

ELECOLIT 340



(AIR DRYING CONDUCTIVE SILVER PAINT)

Elecolit 340 is a electrically conductive silver containing acrylic paint exhibiting excellent conductivity due to the high silver content and outstanding environmental protection because of the acrylic base. Elecolit 340 sets by solvent evaporation similar to most good lacquers. It forms a tough, mar-resistant flexible film with very good adhesion to ceramics, glass, rubber, plastics and plastic films.

Applications suggested for Elecolit 340 are among many, RF shielding, printed circuit repair, conductive ink, component lead terminations and prototype circuit manufacture.

PROPERTIES (TYPICAL)

Volume resistivity at room temperature	average 0.001 ohm-cm
Volume resistivity heat cured at 150°C	average 0.0005 ohm-cm
Shelf life in closed container	1 year
Operating temperatures	-60°C to +175°C

HOW TO APPLY

Elecolit 340 self priming paint can be applied as supplied either by dipping, brushing, silk screening or roller after all surfaces have been cleaned of dirt and grease. For spraying Elecolit 340 reduce its viscosity by adding toluene or other lacquer thinners. These solvents can also be used to remove excess material before it dries.

Thin films will dry tack free in air within 15 minutes and be completely dry overnight. The removal of solvent after air drying by heat curing during 35 - 45 minutes at 150°C - 175°C will increase considerably electrical conductivity and the adhesion properties.

Although essentially non-settling, it is good practice to shake Elecolit 340 before its use. Upon request Elecolit 340 can be supplied as aerosol.

Elecolit 340 repairing conductive path on printed circuit.