

Section A CONDUCTIVE SILVER ADHESIVES (EPOXY & SILICONE)

Codes - 808

EPOXY SYSTEM

DESCRIPTION

SURSHIELD 53-CEA-66C is a two component silver filled epoxy adhesive, which combines the excellent adhesive properties of the epoxy with the electrical conductivity of pure silver.

Typical Properties	53-CEA-66C
Consistency	Paste
Filler	Silver
Cure time at 65°C	2 Hours
Shelf Life	6 Months
Specific Gravity	3.4
Volume resistivity at 25°C	0.001 ohm-cm

APPLICATION

SURSHIELD 53-CEA-66C is primarily developed for securing RFI/EMI Shielding gaskets in place, for use with metallised textiles, making low ohmic electrical connection to sputtered film windows, honeycomb vents and other EMC applications. Each standard sized readily useable container contains 25gm of conductive adhesive. All surfaces must be thoroughly cleaned from traces of dirt, oil, grease, mould release agents and other contaminants.

MIXING

Apply 53-CEA-66C with spatula, knife, roller or other convenient method. Cure at 65C or above for optimum properties

CAUTION

Avoid skin and eye contact. Wash off affected area with soap and water. (See MSDS.)

Each standard sized readily useable container contains 25gm of conductive adhesive.

SILICONE SYSTEM

DESCRIPTION

53-CCC-240 is a one component silver aluminium filled silicone RTV adhesive producing a volume conductive flexible bond.

CHARACTERISTICS

Designed to form endless rings from loaded silicone and other extrusions and for bonding RFI/EMI Shielding gaskets into place. It gives a flexible bond, and cures rapidly in contact with atmospheric moisture. The 53-CEA-66C system adjacent in contrast, forms a much more rigid adhesive bond. Other loadings including Nickel graphite (reference 53-CCC-220) are available.

Typical Properties	53-CCC-240
Consistency	Viscous paste
Filler	silver aluminium particles
Tack free time at 20°C	1.5 Hours
	Optimum properties after 7 days at 20°C
Shelf Life	6 Months
Specific gravity (cured)	1.86
Hardness	70±5 Shore A
Volume resistivity at 25°C	0.01 ohm-cm

APPLICATION

Supplied in ready useable 60g metal tube, the SURSHIELD 53-CCC-240 conductive elastomer has been developed to bond various types of loaded elastomers. All surfaces must be thoroughly cleaned to remove contaminants.