

Electrodag® 112

Graphite Acrylic Conductive Coating

- RFI Shielding and EMI Shielding
- Control Electrostatic Discharge
- Scratch and Mar Resistant
- Sheet Resistance: $<50\Omega/\text{in}^{2*}$
- Shielding: 30-50dB from 50-450MHz for 50 μm Coating Thickness

*When using flat-tipped resistance probes 1" on a sheet of Electrodag 112 that is 25.4 μm the resistance measured will be less than 50 Ω .

Electrodag 112 is a ready-to-use conductive graphite antistatic shield acrylic coating that provides extremely high conductivity, making it ideal for coating plastics to create EMI shielding. It is also used to provide a conductive protective coating on metals and plastics and for controlling electrostatic discharge. Electrodag 112 is water-based and cures at room temperature; it can be handled after curing 25 minutes and fully cures in 24 hours. The curing process can be accelerated by using temperatures up to 160°F (71°C).



ITEM#	\$	£	€	RMB	DESCRIPTION
EG112	\$ 155.00	£ 97.70	€ 144.20	¥ 1,480.30	Electrodag 112, Quart Bottle

Electrodag is a registered trademark of Acheson Colloids Company.

Electrodag 18DB70X

Silver Acrylic Conductive Coating



Silverdag, known as Electrodag 18DB70X, is a low VOC silver conductive coating used for EMI/RFI shielding protection. It offers excellent adhesive and cohesive properties as well as an excellent resistance to scratching and marring. In addition, Silverdag offers superb aging stability. It maintains shielding integrity in harsh environments, making it ideal for outdoor applications. To mix Silverdag, it is recommended to combine it with Acetone (1:1 by volume) and stir.

- Conductive Protective Coating on Metals and Plastics
- RFI Shielding and EMI Shielding, 75dB Attenuation
- Control Electrostatic Discharge
- Scratch and Mar Resistant
- Between Square-Tipped Probes Placed 1" Apart, $R<0.015\Omega$ per mil
- Low VOC 0.5lb/gal (59.6g/l)

**No Air Shipments:
Stocked in USA,
Germany, England,
& Japan**

ITEM#	\$	£	€	RMB	DESCRIPTION
EG18	\$ 499.00	£ 314.40	€ 464.10	¥ 4,765.50	Electrodag 18DB70X, 1000g

Electrodag 5810

Two-Component Silver Epoxy Adhesive

Electrodag 5810 (i.e. Silver-epoxy) is a room-temperature cure, silver-filled, 2-component epoxy that provides good electrical and thermal conductivity. With a volume resistance of 0.0007 Ω -cm and a lap shear of 1000psi, Silver-epoxy is ideal for mounting electrically and thermally conductive components when soldering is not possible. The room-temperature cure time is 24 hours, but this can be accelerated by using higher temperatures [e.g. 2 hours at 149°F (65°C) or 1 hour at 212°F (100°C)].

- Ideal for Mounting Conductive Components That Cannot be Soldered
- Low Resistance Epoxy Coating or Adhesive (0.0007 Ω -cm)
- Lap Shear: 1000psi
- Maximum Operating Temperature of 250°F (121°C)



ITEM#	\$	£	€	RMB	DESCRIPTION
EG58	\$ 19.50	£ 12.30	€ 18.10	¥ 186.20	Silver Epoxy 4.4g