

Conductive Silver Paint

AGG3790

The air-dry silvers are used to make non-conductive surfaces electrically and thermally conductive. They can be used in circuit repair or as RF shielding materials. Most can be brushed, sprayed or dipped. These materials will cure at room temperature in 16-20 hours or in 30 minutes at 120-200°C. A heat gun will cure the material in seconds. The conductivity of the film can be increased by repeated application of layers.

Key Benefits

- ◆ Electrically and thermally conductive
- ◆ Curable at room temperature
- ◆ Brush applicator cap
- ◆ High adhesion to most materials
- ◆ Solvent resistant

Processing Notes

- ◆ Surfaces do not have to be prepared prior to application.
- ◆ Materials will adhere to polymer (phenolic) boards, ceramic, glass, metal, plastic and fiberglass.

Curing Conditions

Colloidal Silver will cure at room temperature in 16-20 hours or in 30 minutes at 120-200°C. A heat gun will cure the material in seconds.

% Solids	60% ± 1% Ag
Sheet Resistance	0.02 - 0.05 ohms/sq/mil (25µm)
Thinner	G3791 - Diluent for G3790 silver paint
Shelf Life	6 months; material should be jar rolled at 1-6 rev/hr. Avoid exposure to extreme temperatures.
Storage	Store in a dry location at 5-30°C. Allow paint to come to room temperature prior to opening. Mix thoroughly before using

