PELCO® Conductive Gold Paste
Product No 16022

Description:

The air-dry gold is used to make non-conductive surfaces electrically and thermally conductive. It can be used in SEM specimen preparation, circuit repair or as RF shielding materials. It can be applied with a toothpick, brush or dipped. This material will harden in seconds as the solvent evaporates. This is sufficient for most applications but to achieve the full electrical and mechanical properties cure at room temperature for 16-20 hours or at 120-200°C for 30 minutes. 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
- 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, ceramics, glass, metals, plastics and fiberglass.

CURING CONDITIONS:	Will harden in seconds as the solvent evaporates. This is sufficient for most applications but to achieve the full electrical and mechanical properties cure at room temperature for 16-20 hours or at 120-200°C for 30 minutes. A heat gun will cure the material in seconds.
% SOLIDS:	75% ± 1% Au
SHEET RESISTANCE:	0.02 - 0.05 ohms/sq/mil (25µm)
THINNER:	Product No. 16021 SEM Gold/Silver Extender
SHELF LIFE:	6 months from shipment but may be extended by adding thinner.
	Avoid exposure to extreme high and low temperatures.
STORAGE:	Store in a dry location at 5-25°C. Allow paint to come to room temperature prior to opening. Mix thoroughly before using.

Ordering Information

Product No.	Description
16022	PELCO® Conductive Gold Paste, 2g
16021	SEM Gold/Silver Extender, 25ml

TED PELLA. INC.
Microscopy Products for Science and Industry
P.O. Box 492477, Redding, CA 96049-2477, U.S.A.
Telephone: 530-243-2200; 800-237-3526 (U.S.A. or Canada) • FAX: 530-243-3761
Email: sales@tedpella.com • Web Site: http://www.tedpella.com