

## Electronic Materials

### ADXXXX-XX

#### Air Dry Silver Materials

##### Description:

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
- Available in a range of Ag loadings
- High adhesion to most materials
- Solvent resistant
- Pb and Cd free

##### ● Product Listing:

##### AD1308-08

% Ag: 30% ± 1%  
Method: spray, dip or brush  
Solvent: RV-095 (Arcosolv Pm®)

##### AD1459B

% Ag: 45% ± 1.0%  
Method: spray, dip or brush  
Solvent: RV-493 (Ethyl Cellosolve)

##### AD1488-03

% Ag: 48% ± 1%  
Method: spray, dip or brush  
Solvent: RV-493 (Ethyl Cellosolve)

##### AD1548-07

% Ag: 54% ± 1%  
Method: screen print, brush or stencil  
Solvent: RV-220(Hexylene Glycol)

##### AD1608-05

% Ag: 60% ± 1%  
Method: spray, dip or brush  
Solvent: RV-095 (Arcosolve Pm®)

##### AD1688-06

% Ag: 68% ± 1%  
Method: spray, dip or brush  
Solvent: RV-493 (Ethyl Cellosolve)

##### ● Processing Notes:

- Laydown thickness is proportional to silver content.
- Surfaces do not have to be prepared prior to application.
- Materials will adhere to polymer (phenolic) boards, ceramic, glass, metal, plastic and fiberglass.

##### Warranty:

Material guaranteed to meet specifications for 6 months from date of shipment.

##### Storage:

Store in a dry location at 5°C -25°C.  
DO NOT REFRIGERATE.  
Allow paste to come to room temperature prior to opening.  
Spatulate well before using.

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The descriptions and engineering data shown here have been compiled by Heraeus using commonly-accepted procedures, in conjunction with modern testing equipment, and have been compiled as according to the latest factual knowledge in our possession. The information was up-to date on the date this document was printed (latest versions can always be supplied upon request). Although the data is considered accurate, we cannot guarantee accuracy, the results obtained from its use, or any patent infringement resulting from its use (unless this is contractually and explicitly agreed in writing, in advance). The data is supplied on the condition that the user shall conduct tests to determine materials suitability for a particular application.

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