

## Conductors

### C1080V

#### Silver Hole Plug Conductor

**Description:**

C1080V is a pure silver, low cost paste designed as a hole plug in alumina substrates. The high solids loading allows for excellent filling properties with bladder fill machines. C1080V has low shrinkage, which allows for a complete fill of the through hole.

● **Key Benefits:**

- High solids loading
- Low shrinkage
- For use with bladder fill machines

● **Typical Properties:**

**Metal Type:**

Silver

**Viscosity:**

< 350 Pa-sec,  
Haake C-20, 1° Cone @ 10 sec<sup>-1</sup>

**Solids:**

89.0 +/-1%

● **Recommended Processing Guidelines:**

**Application Method:**

Bladder Fill Machine

**Drying:**

Dry at 150°C for 15 minutes

**Firing:**

850°C peak temperature  
Dwell time of 8-12 minutes

**Thinner:**

RV-372 (Terpineol)

**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.

CS0609.8

## Conductors

### C1080V

#### Silver Hole Plug Conductor

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.

#### Americas

Heraeus Materials Technology LLC  
Thick Film Materials Division  
24 Union Hill Road  
West Conshohocken, PA 19428  
USA  
Phone: +1 (610) 825-6050  
E-Mail: [techservice.hcd@heraeus.com](mailto:techservice.hcd@heraeus.com)  
Internet: [www.thickfilm.net](http://www.thickfilm.net)

#### Europe

W.C. Heraeus GmbH  
Thick Film Materials Division  
Heraeusstr. 12-14  
63450 Hanau  
Germany  
Phone: +49 (6181) 35-5466  
E-mail: [th-info@heraeus.com](mailto:th-info@heraeus.com)  
Internet: [www.heraeus-thickfilm.com](http://www.heraeus-thickfilm.com)

#### Asia

Heraeus Materials Technology  
Shanghai Ltd.  
No. 1 Guang Zhong Road  
Zhuangqiao Town, Minhang District  
Shanghai 201108  
People's Republic of China  
Phone: + 86 (21) 3357-5688  
E-Mail: [th.hmts@heraeus.com](mailto:th.hmts@heraeus.com)  
Internet: [www.heraeus-thickfilm.com](http://www.heraeus-thickfilm.com)