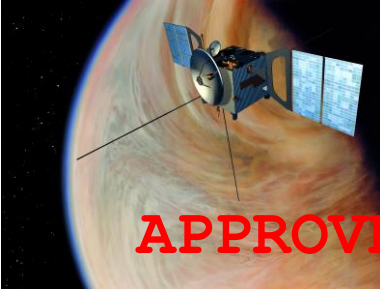


MicroCoat Technologies

1316 Somerset Drive McKinney, TX 75070 www.m-coat.com Tel: 972-678-4950 Fax 214-257-8890

Unparalleled in Polymer Coatings and Adhesives Technology™



Product Data Sheet

MCT AH795

**APPROVED FOR A LANDING ON VENUS
AT 450°C**

**An Electrically and Thermally Conductive,
Silver Filled, Inorganic One-Part Adhesive for Use to
>950°C**

****MAY NOT BE DIRECT BONDED TO GOLD**

- **Low Cure Temperature**
- ****Semiconductor Die Attach with Moly Tab for “Down the Hole Hybrids” or attach to Headers, Ag, Ni, Pd/Ag, Al, etc.**
- **Silicon die (no gold on back) to power headers**
- **Ceramic-to-Ceramic Heat Sink Bonding**
- **Substrate Attach to Nickel Plated Packages**

Silver:	80% - 85% ~28 Micron
Viscosity:	Thixotropic Paste
Pot Life:	NA
Shelf Life:	6 Months in original sealed container but it really depends on whether the paste is exposed to air. The more “air time” the shorter the shelf life
Storage:	Room Temperature (25C) <u>DO NOT FREEZE</u>

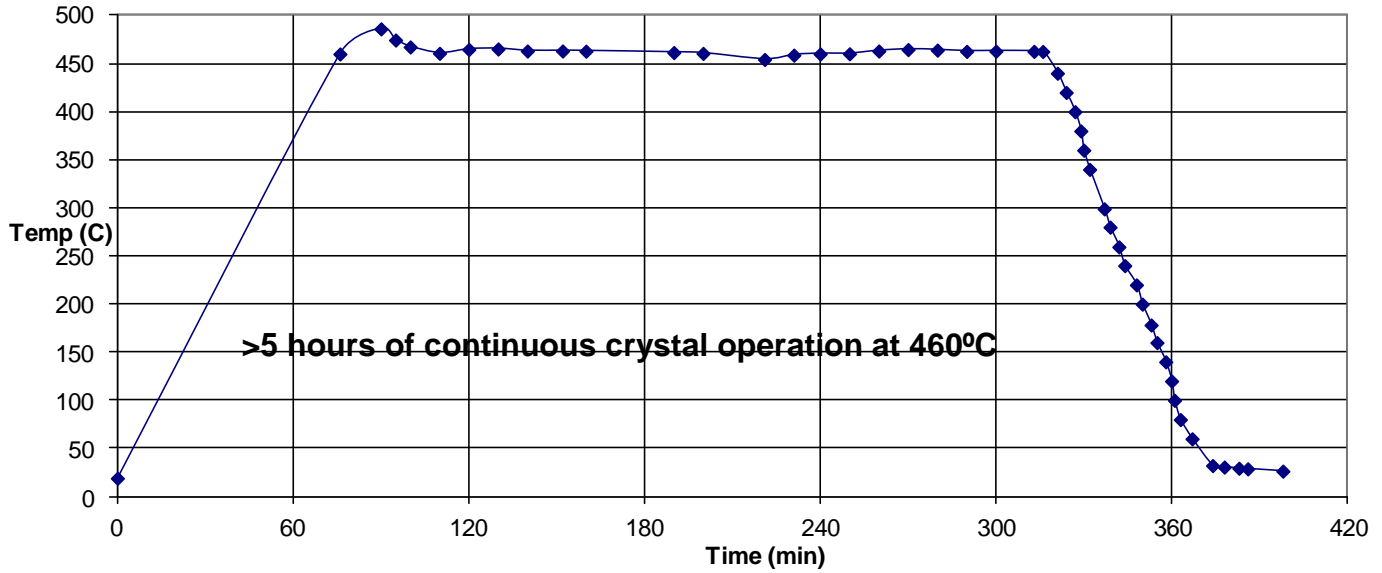
Recommended Cure: 2 Hours Room Temperature Followed by 2 hours at 120C.

For Vacuum Sealing Applications: ALL moisture is released between 300C-400C. After that there is absolutely no outgassing. Prior to final bake at temperature there are <.01ppm H₂O moisture given off. It appears from lab testing that if you cure the product for an additional 2 hours at 150C (after 1-2 hours at 120C) this will eliminate any further moisture release

Temperature Resistance:	>950°C
CTE, in/in/°F X 10 ⁻⁶ (°C)	9.6 (17.3)
Thermal Conductivity,	9.14 W/m-K)
Volume Resistivity (ohms-cm)	.00016

MCT A795-VHT Extended Temp

Temperature Profile



0407.2011

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