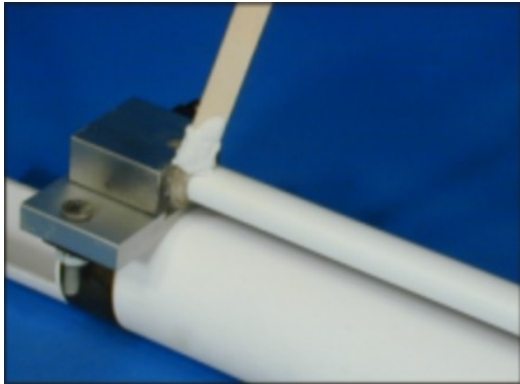


# High Temp. News & Applications

## Resbond 904 Adhesive & Coating

### Bonds - Coats - Protects

### Provides Up to 4000°F Service



**904 Bonds Ceramic Assembly for use to 3000°F**

#### Physical Properties

Base	ZrO <sub>2</sub>
Components	1
Form	Creamy Paste
Max. Temp.	4000 °F
Compressive Strength	6000 psi
Flexural Strength	3000 psi
Dielectric Strength	100 volts / mil
Thermal Expansion	4.1 x10 <sup>-6</sup> / °F
Thermal Conductivity	10 BTU in / °F Ft

#### Availability

904-1	Pint
904-2	Quart
904-4	Thinner / Pint

#### Distributed by:

**Users Report: Ultra Temp. 904 Bonds, Coats and Protects to 4000°F!**

**Ultra Temp. 904 Bonds Exhaust lines to a Thermogravimetric analyzer's reaction chamber.**

**Results:** Parts remained bonded after exposure to 3400°F under a vacuum.

**Ultra Temp. 904 Bonds Silica Cloth to furnace tubes in a Semi-Conductor's clean room.**

**Results:** Parts remained bonded after exposure to process temperatures of 2600°F.

**Ultra Temp. 904 Coats Graphite Crucibles**

**Results:** 904 successfully protected the graphite crucibles from exposure to liquid zinc.

**Ultra Temp. 904 Coats Aluminum Metal Panels on Spacecraft**

**Results:** 904 successfully protected the metal panels from high intensity x-ray radiation.

#### Ultra Temp 904

#### Zirconia Adhesive & Coating

Is a smooth creamy paste that is easily brushed on to ceramics, graphite, metals, etc. to form adhesive bonds and coatings that will provide 4000°F continuous protection.

**Ultra Temp 904** has excellent resistance to oxidizing and reducing atmospheres, chemicals and solvents, electricity, molten metals, flame impingement, x-ray radiation, etc.

**Applications Include:** bonding, coating, encapsulating, thermocouple protection, high temp. brick facing, etc.

**Ultra Temp. 904** is most commonly used in the Electronics, Semi-Conductor, Instrumentation, Aerospace, Automotive, Production, Maintenance Industries.

**Ultra Temp. 904 Zirconia Adhesive & Coating  
Is The Ideal Choice**

**For Any High Temperature Application**



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