

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 ₂
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 ⁻⁶ / °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



Cotronics Corporation