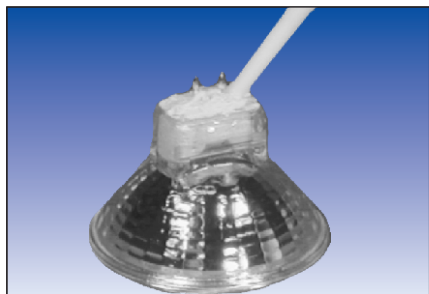
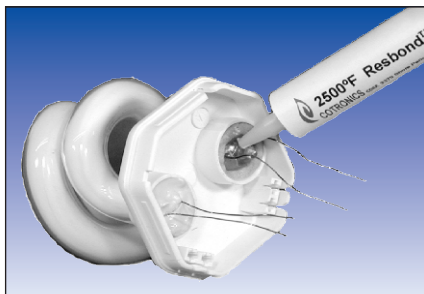


# CUSTOMIZABLE, 2800°F ADHESIVES

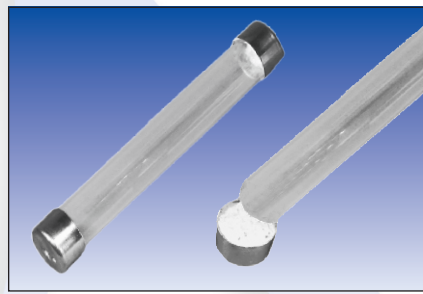
Solves All High Temp. Bonding, Sealing or Encapsulating Applications



Production Potting of High Performance Light Bulbs



Resbond 940LE Bonds a High Performance Quartz Lamp



940HT Bonds a Sapphire Tube To a Metal End Cap for Use at 2650°F

Resbond™	940	940HT	940LE	940HE	940SS
Continuous Use Temp.	2000°F	2800°F	2500°F	1800°F	2000°F
Base	Zircon	Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	SiO <sub>2</sub>	S. S.
Compressive Strength (psi)	4000	4200	3500	4200	4500
Flexural Strength (psi)	1800	1900	2100	1450	2500
Thermal Expansion (x10 <sup>-6</sup> /°F)	4.50	4.00	0.40	7.50	10
Thermal Conductivity (BTU-in/Hr. Ft <sup>2</sup> °F)	8	15	5	8.3	10
Dielectric Strength (volts/mil)	125	125	125	100	Cond.
Volume Resistivity (ohm-cm)	10 <sup>8</sup>	10 <sup>8</sup>	10 <sup>8</sup>	10 <sup>9</sup>	Cond.
Components	2	2	2	2	2
Color	Tan	White	White	Tan	Grey
Consistency	Paste	Paste	Paste	Paste	Paste
Cure Temperature	R. T.	R. T.	R. T.	R. T.	R. T.

Now, for the first time, a Customizable Series of fast setting, 2800°F adhesives that were designed with your application in mind.

Eliminate costly errors caused by bonding adhesives and substrates with mismatched physical properties.

Just match the grade of Resbond 940 with the physical properties of the substrate. Mix and apply. Cures in five minutes at 175°F or in 16 hours at room temperature.

**Applications include** bonding, sealing and insulating, halogen lamps, fixtures, fiber optic cables, sensors, encapsulating, heating elements, electrically resistant coatings, high temp instruments, etc.

### 2000°F - Resbond 940 Standard

Has excellent adhesion to ceramics, glass, metals, etc. Offers excellent electrical, chemical and thermal shock resistance.

#### Users Report:

- Resbond 940 encapsulates industrial heating elements and high temperature sensors. Resbond outperformed all of the other ceramic adhesives and materials tested. Also used as an electrically resistant coating.

### 2800°F - Resbond 940HT High Temperature

Specially formulated, ultra high temp. Alumina adhesive that can be used continuously to 2800°F.

Resistant to liquid metals, most chemicals and solvents, oxidizing and reducing atmospheres.

### 1800°F - Resbond 940HE High Expansion

A silica filled adhesive for bonding and encapsulating high expansion materials.

#### Users Report:

- Resbond 940HE provided an insulating end seal for a heating element.

### 2500°F - Resbond 940 Low Expansion

New Resbond 940LE is a low expansion, Quartz based, fast curing adhesive.

The perfect adhesive for bonding and potting Quartz Lamps, Glassware, Fiber Cables or any other low expansion materials.

940LE bonded high performance, halogen light bulbs in a high speed, high precision production line.

### 2000°F - Resbond 940SS Stainless Steel

New Resbond 940SS is a 316 Stainless Steel based, fast curing adhesive with excellent adhesion and heat resistance.

This 2000°F, Stainless Steel Adhesive bonds, repairs and seals high temperature equipment.

It is machinable and resistant to most chemicals and solvents.

#### Cat. No.

Resbond 940	.....	N/A	.....	Quart Kit	.....	Gallon Kit
Resbond 940HT	.....	Pint Kit	.....	Quart Kit	.....	Gallon Kit
Resbond 940LE	.....	Pint Kit	.....	Quart Kit	.....	Gallon Kit
Resbond 940HE	.....	Pint Kit	.....	Quart Kit	.....	Gallon Kit
Resbond 940SS	.....	Pint Kit	.....	Quart Kit	.....	Gallon Kit
Resbond 940-3	.....	Thinner (Pint)				

#### Kit Sizes

Available Upon Request Fast Setting Aluminum, Aluminum Nitride, Bronze, Copper, or Silver formulations