

# HIGH TEMPERATURE ADHESIVES

## Room Temp. Cure - Use to 3000°F

### 1800°F - THERMEEZ™ 7030

#### Epoxy Like Adhesive

Thermeez™ 7030 High Expansion Adhesive Bonds and Protects to 1800°F.

Asbestos free and safe to use.

No objectionable odors or harmful fibers.

Just mix to a smooth, creamy paste and apply.

Thermeez™ 7030 will cure in 24 hours at room temperature or in 1 hour at 250 °F.

Can be applied to most metals, ceramics, door gaskets, tadpole gaskets and ceramic cloths and has excellent adhesion to steel, stainless, aluminum, lead and ceramics.

Thermeez™ 7030 is fireproof and has resistance to most acids, alkalis, solvents, corrosives and electricity.

Thermeez™ Hi-Seal will form corrosion and erosion resistant coatings. Just apply and post cure at 600°F.

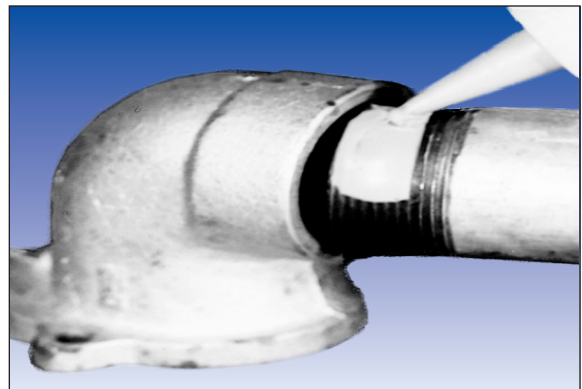
Can be applied from a standard caulking cartridge for applications in exhaust systems, diesel engines, gas turbines, heating plants, etc.

It is the ideal choice for any hi-temp. application requiring 1800°F service, pressure tight and fire proof seals, wear resistance and high expansion.

Commonly used in high temperature exhaust systems, diesel engines, gas turbines, heating plants, etc.



Thermeez™ 7030 Seals a Corrosion Resistant Exhaust System



Resbond™ 907 Bonds a Hi-Temp. Gas Supply Tube

### 2300°F - RESBOND™ 907

#### All Purpose Fire Proof Adhesive

A Single Component Ceramic Composite based on Mica platelets and proprietary ceramic binders.

Resbond™ 907, all purpose adhesive offers high bond strength, solvent and electrical resistance.

Safe to use. No objectionable or toxic odors.

Use from -300°F to +2300°F.

Resbond™ 907 was developed to provide a Fire Proof Adhesive for applications in production, development, repair and maintenance.

Just apply directly to clean steel, iron, lead, ceramics, most metals, etc. without any special surface treatment.

Air dries in 24 - 48 hours at room temp. or in 1 hour at 250°F.

#### Users Report:

- Easy to use Resbond™ 907, Bonded exhaust tubes in an aerospace application, replacing a difficult to handle, corrosive adhesive with serious environmental problems.

**Applications include:** exhaust systems, diesel engines, gas turbines, heating plants, bonding ceramic tapes, etc.

Thermeez™ / Resbond™ Continuous Use Temp.	7030 1800°F	907 2300°F
Base	SiO <sub>2</sub>	Mica
Compressive Strength (psi)	5000	3500
Flexural Strength (psi)	1450	1250
Thermal Expansion (x10 <sup>-6</sup> /°F)	7.50	4.50
Thermal Conductivity (BTU-in/Hr. Ft <sup>2</sup> -F)	8.30	6.00
Dielectric Strength (volts./mil.)	100	300
Volume Resistivity (ohm-cm)	10 <sup>9</sup>	10 <sup>9</sup>
Components	2	1
Consistency	Paste	Paste
Cure @ 75°F (Hours)	24 - 48	24
Cure @ 250°F (Hours)	1	1

Cat. No.	Description	Temp.
7030-1.....	Quart.....	1800°F
7030-2.....	Gallon.....	1800°F
7030-3.....	5 Gallon.....	1800°F
907-1*.....	1.0 lbs. (½ pt) .....	2300°F
907-2*.....	3.5 lbs. (qt) .....	2300°F
907-3*.....	7 lbs. (½ gal) .....	2300°F
907T-1.....	Thinner (qt)	

\*(For 907 specify Thin, Regular or High Viscosity)