

Fast Set - Alumina Adhesive

Resbond™ 940HT Provides

2800°F Continuous Service

- *Just Mix & Apply*
- *Sets in Minutes*
- *Bonds Ceramics, Glass, Metals, etc.*
- *Excellent Electrical, Chemical & Thermal Shock Resistance*



Users Report: Resbond 940HT Joins Metal to Ceramic in Bonding Heating Elements to Electrical Terminals for 2500°F Service

Resbond™ 940HT is a New, Fast Setting, Ultra High Temperature, Alumina Adhesive that can be used Continuously to 2800°F.

Resbond 940HT has excellent adhesion to ceramics, metals, glass, composites, etc.

Resistant to liquid metals, most chemicals and solvents, oxidizing and reducing atmospheres and has good electrical properties.

Just mix and apply. Resbond 940HT sets in 15 minutes and cures in 5 minutes at 175°F or in 8-16 hours at room temperature.

No objectionable or toxic odors. Does not contain VOC's that irritate users or contaminate atmospheres.

Users Report:

- Bonds a high strength sapphire tube to a metal end cap for use at 2650°F
- Joins metal to ceramic when bonding heating elements to electrical terminals for continuous use at 2500°F

Resbond™ 940HT is the Ideal Choice for any Application Requiring a High Temperature, Fast Setting, Ceramic Adhesive.

Availability:

Cat #	Description	
940HT - 1	General Purpose Adhesive	Pint
940HT - 2	General Purpose Adhesive	Quart

Physical Properties

Max. Use Temp.	2800	°F
Base	Alumina Oxide	
Compressive Strength	4200	psi
Flexural Strength	1900	psi
Dielectric Strength	125	volts/mil
Volume Resistance	10 ⁸	ohm cm
Thermal		
Conductivity	15	BTU in/hr. °F ft. ²
Expansion	4.0	x 10 ⁻⁶ /°F
Components	2.0	
Mix Ratio	100 to 30	(by weight)
Consistency	Paste	

Manufactured according to Mil Spec MIL - I - 45208

Directions for use: Mix 100 parts 940HT powder with 30 parts 940HT activator by weight. Stir thoroughly. Apply to clean, roughened surfaces. Cures in 24 hours at room temperature or in 5 - 15 minutes at 175°F.

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