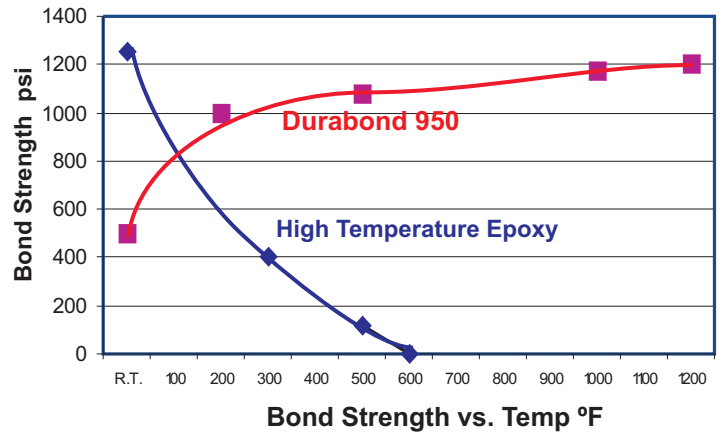


UNIQUE 1200°F ADHESIVE

High Strength Bonds to Metals, Ceramics, etc



**Durabond 950 Bonds
a Stainless Filter Cartridge
for use at 1200°F**



This graph compares the bond strength of Durabond 950 with a typical High Temperature Epoxy. Note the epoxy weakens with temperature and the Durabond 950 increases in strength with temperature.

Durabond 950 Adhesive is specially formulated to bond metals, ceramics and dissimilar materials for use to 1200°F.

Epoxy adhesives are limited to 600°F, lose strength at elevated temperatures and will start to thermally decompose.

Silicone based materials are designed for sealing applications and not suited for structural bonds at high temperatures.

Durabond is a metallic ceramic composite and can not soften or decompose at temperatures up to 1200°F.

Durabond adhesive contains no Epoxies or Silicones which would limit their use to 600°F.

This adhesive was developed for high strength, high temp. bonding. Its easy to apply and cures at low temperature.

This unique, metallic composite adhesive offers some of the ductility and impact resistance associated with soldering and welding.

Durabond adhesive can be drilled, tapped, machined, etc.

Its easily machinable. Can be ground, sanded or polished.

Often used with steel, cast iron, aluminum, copper, etc.

INSTRUCTIONS:

Preparation

Surfaces must be free of dirt, oil, grease, corrosives, etc. Clean Porous materials with solvent and dry thoroughly. Roughen metal surfaces, abrasive blasting is ideal.

Mixing

Mix thoroughly to a uniform consistency prior to use.

Application

Apply using a spatula, putty knife or caulking gun.

Curing

Cure at room temp. for a minimum of 4 hours. Extra time is required for thick cross-sections.

Post cure at 150°F for 2 hours.

For optimum properties post cure again for 2 - 4 hours at 250 °F.

DURABOND	950
Use Temp °F	1200
Base	Aluminum
Color	Grey
Density (# / ft ³)	120
Thermal Expansion (10 ⁻⁶ /°F)	10
Pot Life (Hours)	2
Cure (@ R.T.)	24
Bond Strength at 200°F (psi)	500
Bond Strength at 1200°F (psi)	1000
Components	2
Mixed Ratio (A / B)	100/60

Availability

Cat. No.	Base	Type	Size
950-1	Aluminum	Adhesive	Pint Kit
950-2	Aluminum	Adhesive	Quart Kit
950FS-1	Aluminum	Fast Set	Pint Kit

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