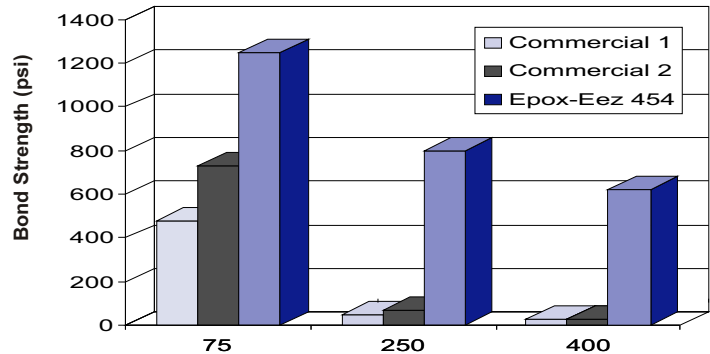


# Durabond 454B 500°F Aluminum Filled Epoxy

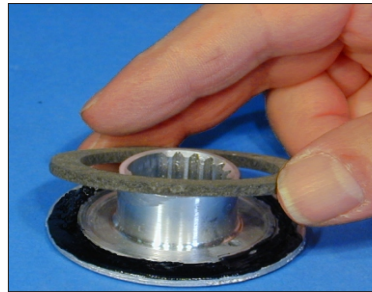
## Outperforms High Performance Epoxies

### in High Temperature Bond Strength Tests

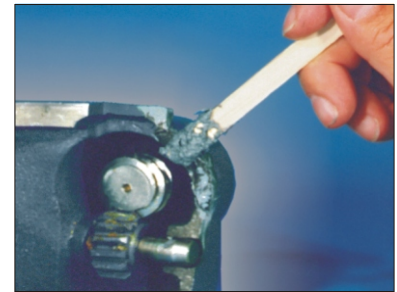
- Cures at Room Temp. To Form a Machinable Composite
- Maintains High Bond Strength at High Temperatures
- Excellent Chemical Corrosion and Shock Resistance



Easy to Use Dispenser Kits



454B Bonds Brake Pads



454B Repairs Cast Iron Housing

Just dispense, mix and apply ! This smooth, creamy putty cures at room temperature to form a highly machinable, aluminum based composite, usable to 500°F.

No solvents. No outgassing. No complicated two or three stage cure cycles.

Offers excellent adhesion, corrosion and chemical resistance, is machinable like aluminum and will not run or sag while applying.

**Durabond 454B** is ideal for patching leaky pipes, valves, and fittings; repairing pumps, machinery, and equipment; and rebuilding worn shafts, housings and linings.

**Users Report:** 454B bonds brake pads to aluminum metal assemblies and maintains 1000 psi bond strengths at 450°F.

Commonly used for the production of motors, assemblies, instrumentation, laboratory equipment, automotive parts, machines, etc.

Also available in easy to use dispenser kits, RK 454

**Durabond 454B is The Ideal Choice For Any High Temperature Application Requiring High Bond Strength and up to 500°F Service.**



#### Physical Properties

<b>Max. Use Temp.</b>	<b>500°F</b>
Components	2
Mix Ratio (by wt.)	100 : 11
Viscosity	Paste
Density	1.9 gms / cc
Hardness	80 Shore D
Tensile Strength	10,000 psi
Elongation	2 %
Shrinkage	0.1 % max
Moisture Absorption	0.2 % (30 days @ 50°C)
Thermal Expansion	4.1 x 10 <sup>-5</sup> /°C
Thermal Conductivity	35 BTU in/hr. °F Ft. <sup>2</sup>
Volume Resistivity	10 <sup>9</sup> ohm-cm

#### Availability:

Cat #	Description	Contents
RK 454	Repair Kit	2.5 oz. Resin, 0.6 oz Hardener sandpaper, mixing sticks Reinforcement Screen
454B-1	1 lb. Bulk Pack	0.9 lbs. Resin 0.1 lb. Hardener
454B-2	4 lb. Bulk Pack	3.5 lbs. Resin 0.5 lb. Hardener

Quantity Prices on Request.