

500°F ELECTRICALLY RESISTANT EPOXY

Cures at Room Temp. to Bond, Pot, Seal and Protect

500°F - Duralco™ 4525

Easy to use. Just mix and apply.

No volatiles. No solvents. No out-gassing.

Duralco 4525 cures at room temp. (or in 5 minutes at 250°F) to provide high bond strength, high temp. stability, low shrinkage, excellent chemical, electrical and radiation resistance and low moisture absorption.

It maintains its high electrical resistance over long periods of time and has the lowest moisture absorption available when compared to 23 commercially available epoxies.

Duralco 4525 received "UL" approval for this application.

Duralco 4525 is ideal for high performance bonding, potting, sealing, repairs, castings and jigs. Forms protective coatings.

Commonly found in electronics, appliances, instrumentation, motors, equipment, etc.

Users Report:

High Resistance Even in High Humidity

Used to seal thermocouples, electric heaters and critical electronic components for use in high humidity environments. Tests show less than 10% of the moisture transmission of silicones or competitive epoxies.

Proven in Instrumentation Applications

Used for fabrication of end seals and installation of thermocouples, pressure, strain gauges and flow measuring instruments.

Excellent Corrosion Resistance

Used to repair glass lined tanks for use in 36% Hydrochloric, 29% Phosphoric, 65% Sulfuric and 70% Nitric Acids, 25% Caustic, 30% Chrome Oxide solutions. Competitive epoxies disintegrated in less than 24 hours.

Bonds Carbon to Steel and Remains in use for 5 years

Used to bond carbon blocks to steel for bearings in a rotating kiln at 300°F. Bonds brake pads.

Fast Cures

Independent tests have shown 95% cure in 15 minutes at 200°F and 100% cure in 5 minutes at 250°F, enabling high speed production applications.

Availability:

Cat. No.	Description	Temp.	Price
Duralco 4525-1	.. Pint Trial Kit	500 °F	64.95
Duralco 4525-2	.. Gallon Kit	500 °F	259.95

Pre-Measured Kits

Each Unit Contains: 1 jar of resin, 1 syringe of hardener and 1 mixing stick. (see page 19 for details)

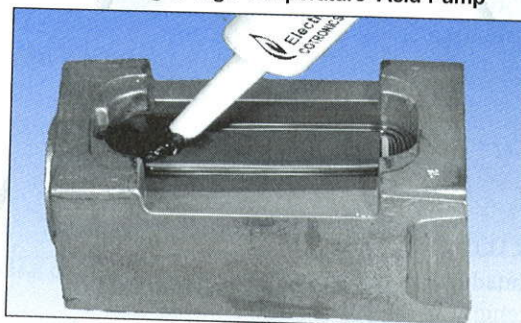
EE 4525-10	.. 10 Epox-Eez 10 gm units/box	54.95
EE 4525-25	.. 10 Epox-Eez 25 gm units/box	64.95

Also available in **Epox-Eez Twin Pack Cartridges** (page 18)

Quantity Prices & Custom Formulations
Available on Request



**4525 Bonds a 316 S.S. Shaft to a Ceramic Piston
Repairing a High Temperature Acid Pump**



**Duralco 4525 Insulates, Seals and
Moisture-Proofs a Hi-Temp Instrument**



Duralco 4525 Bonds a Hi-Temp. Brake Assembly

Duralco™	Units	4525
Maximum Temp	°F	500
Components	Color	2-Black
Viscosity	cps	25,000
Hardness	Shore 'D'	90
Tensile Strength	psi	10,000
Thermal Conductivity	Btu-in / Hr. Ft ² °F	13
Thermal Expansion	10 ⁻⁵ /°C	3.3
Dielectric Strength	volts/mil.	450
Volume Resistivity	ohm-cm	10 ¹⁵
Heat Distortion	°C	210
Elongation	%	2
Thermal Stability	% 1000 hr @ 200°C	0.05
Shrinkage	% max.	0.2
Moisture Absorption	% after 30 Days	0.1
Mix Ratio	R / H	100/8
Cure	Hr. @ R. T.	16 - 24
	Minutes @ 250°F	5