



80 Cypress Street, Warwick, RI 02888 ♦ U.S.A.  
401-941-3000 ♦ 800-272-7752 ♦ Fax: 1-401-941-0150  
info@rbcepoxy.com ♦ www.rbcepoxy.com

♦ TECHNICAL BULLETIN ♦ TECHNICAL BULLETIN ♦ TECHNICAL BULLETIN ♦

## EPOXY RESIN RBC #2200

RBC #2200 is a one-part epoxy adhesive designed for use where high heat distortion, excellent chemical resistance, and long pot life are required. Used for bonding glass, wood, steel, aluminum, ceramics, ferrous metals, copper and nickel to themselves or to each other.

### HANDLING PROPERTIES:

Viscosity @ 25°C, cps	15,000
Pot Life @ 25°C	1-2 Months
Pot Life @ 120°C	1 Hour
Shelf Life, (Closed Container @ 25°C)	1-2 Months

### PHYSICAL PROPERTIES (CURED):

Color	Light Amber
Specific Gravity @ 25°C	1.16
Hardness, Shore D	85
Linear Shrinkage, in./in.	0.015
Moisture Absorption 10 Days @ 25°C, %	0.18
Izod Impact Strength, ft. lbs./in. of notch	0.45
Tensile Strength @ 25°C, psi	7,500
Compressive Strength @ 25°C, psi	16,000

### THERMAL PROPERTIES (CURED):

Thermal Conductivity, cal/sec/cm <sup>2</sup> /°C/cm X 10 <sup>-4</sup>	5.2
Thermal Stability, 1000 Hrs. @ 175°C, % Wt. Loss	0.35
Coefficient of Thermal Expansion, in./in./°C X 10 <sup>-6</sup>	51
Heat Distortion Temperature, °C	130
Operating Temperature Range, °C	-65 to 145

### ELECTRICAL PROPERTIES (CURED):

Volume Resistivity @ 25°C, ohm-cm	8 x 10 <sup>15</sup>
Dielectric Strength, volts/mil	450
Dielectric Constant @ 25°C, 100 KC	3.8
Dissipation Factor @ 25°C, 100 KC	0.030

**Mixing Instructions:** Stir Resin #2200 in its shipping container prior to each use to insure uniformity. Use of power equipment is recommended.

**Recommended Cure Schedule:**

Cure @ 120 °C for 30 minutes