



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 #558-AR

RBC # 558-AR is a two component epoxy adhesive that sets within five to eight (5-8) minutes after mixing. It is ideal for field applications which require a quick, tough bond. This system exhibits superior adhesion to a wide variety of substrates including Metal, Glass, Wood, and many Plastics. In addition, its thixotropic consistency allows easy application with no messy sag.

HANDLING PROPERTIES:

Mixed Viscosity @ 25°C, cps
Shelf Life, (closed Container @ 25°C)
Mix Ratio

Thixotropic Gel
12 months
1:1 by Volume

PHYSICAL PROPERTIES (CURED):

Color
Specific Gravity @ 25°C
Hardness, Shore D
Tensile Strength @ 25°C, psi
Bond Shear Strength @ 25°C, psi
Operating Temperature Range, °C

Light Amber
1.440
80
2,800
2,000
-55 to 140

POT LIFE AND CURE SCHEDULE:

Gel time @ 72 °F
Handling Strength @ 72 °F
Full Cure @ 72 °F

5 Minutes
7-10 Minutes
60 Minutes

MIXING INSTRUCTIONS:

Mix 1 part of the 558-AR-A to 1 part of the 558-AR-B, by volume. Mix thoroughly by hand or machine until mixture is homogeneous. Thorough mixing will ensure proper bond strength. Whenever necessary, entrapped air may be removed by vacuum prior to use.