

BD5440 Epoxy Adhesive

1. DESCRIPTION:

BD5440 is a two-part, filled, room temperature cure epoxy adhesive designed as a general purpose adhesive. It cures to a tough semi-rigid material. It gives good resistance to water, salt spray, inorganic acids and bases, and most organic solvents. It is especially formulated for a 1:1 mix ratio for use in side by side cartridges, or to be used by hand mixing, or use with Meter Mix Equipment.

A handling cure is normally achieved at room temperature within 30 – 45 minutes with a full cure at room temperature within 24 hours. To accelerate the final cure, or to quicken the handling simply elevate the temperature.

2. CHARACTERISTICS:

Room Temperature Cure Properties

Work Time:	40 minutes (at 75°F/ 24°C)
Tack-free Time:	240 minutes (at 75°F/ 24°C)
Full Cure:	24 hours for full properties
Mixed Density:	9.9 lbs/gal
Flash Point:	Greater than 200°C (392°F)
Viscosity:	Resin (Part A) Paste Hard (Part B) Paste
Color:	Resin (Part A) Translucent Activator (Part B) Tan Mixed: Light tan
Mix Ratio:	1 Part A to 1 Part B (1:1)
Hardness:	83 Shore D
Tensile Strength:	8,020 psi
Compressive Strength:	15,060 psi
Elongation:	4%
Glass transition temp:	63°C
Shelf Life:	12 Months
VOC Content:	0%

3. Handling and Storage:

- A. Bring both components to room temperature prior to mixing. Mix 1 part A to 1 part B thoroughly for 30 to 60 seconds.
- B. Dispense mixed material over properly positioned devices to be glued together. Do not pour more than 1/2" thick as the product may exotherm too high and may boil. As this is a very quick adhesive, you must work quickly to bond the pieces together.
- C. Parts may be shipped within 24 hours but parts can be moved in 1 hour.

4. ADDITIONAL INFORMATION

NOTE: Information contained herein is based on tests we believe to be reliable and accurate. It is offered in good faith for the benefit of the consumer. The Company shall not be liable for any injury, loss, or damage in the use or handling of its chemical products since conditions and use are beyond our control. In every case, we urge and recommend the user conduct tests to determine to their own satisfaction that the product is of acceptable quality and suitability for their particular purpose under their own operating conditions. Statements concerning possible use of our products are not intended as recommendations to use our products in the infringement of any patent, or for any particular purpose or application. These products are intended for industrial use only.