



# TC-8200 A/B

## LOW DENSITY EPOXY BACKFILL SYSTEM

**PRODUCT DESCRIPTION:**

TC-8200 A/B is a lightweight, two-component epoxy backfill system. TC-8200 A/B is ideally suited for foundry applications involving mold and core construction and features the following advantages:

- Low cost
- Simple mix ratio (1 to 1 by weight)
- Long work life
- Low shrinkage
- Color change to ensure complete mix

**PHYSICAL PROPERTIES:**

Hardness, Shore D ASTM D-2240.....	65
Specific Gravity, (g/cc) cured ASTM D-792 .....	0.59
Cubic Inches Per Pound .....	47
Pounds Per Cubic Inch .....	0.021
Shrinkage, (in./in.) ASTM D-2566.....	0.0002
Heat Deflection Temperature, (@ 264 psi) ASTM D-648.....	128°F (53°C)
Compressive Strength, (psi) ASTM D-695 .....	3,680

**HANDLING PROPERTIES:**

Mix Ratio (by weight):	
Part A .....	100 parts by weight
Part B .....	100 parts by weight
Specific Gravity (g/cc):	
Part A .....	0.60
Part B .....	0.58
Mixed Viscosity, @ 77°F (25°C) Brookfield.....	Paste
Color:	
Part A .....	Blue
Part B .....	Beige
Mixed.....	Green
Work Time, (1/2 lb. mass) @ 77°F (25°C) .....	2 - 3 hours
Demold Time @ 77°F (25°C).....	24 Hours

**MIXING PROCEDURE:**

Combine equal parts (by weight) into a clean metal or plastic container. Mix completely, (5 - 10 minutes), until the Blue and Beige components yield a faint Green uniform color. Empty mixture into mold cavity in 1 - 2 inch layers and compact (tamp) into place.

**NOTE:**

Power mixing with a bakery type dough mixer, a concrete mixer, or a large Jiffy type mixer is very useful for large jobs or on-going applications.

**PACKAGING:**

5 Gallon Kits..... 18 lbs. A, 18 lbs. B

**STORAGE:**

Store at 55° - 90°F (13° - 32°C) in a dry location. Unopened containers will have a shelf life of 12 months, from date of shipment, when properly stored at room temperature. Keep containers tightly sealed after use.

**SAFETY PRECAUTIONS:**

Use in a well-ventilated area. Avoid contact with skin using protective gloves and protective clothing. Repeated or prolonged contact on the skin may cause an allergic reaction.

Eye protection is extremely important. Always use approved safety glasses or goggles when handling this product.

**IF CONTACT OCCURS:**

**Skin:** Immediately wash with soap and water. Remove contaminated clothing and launder before reuse. Seek qualified medical attention if allergic reactions occur.

**Eyes:** Immediately flush with water for at least 15 minutes. Call a physician.

**Ingestion:** If swallowed, call a physician immediately. Remove stomach contents by gastric suction or induce vomiting only as directed by medical personnel. Never give anything by mouth to an unconscious person.

**Refer to the Material Safety Data Sheet before using this product.**