

## DSB High Strength Epoxy

### General

DSB High Strength Epoxy is a 2-component 100% Solids epoxy that is often used for bonding objects to concrete, asphaltic concrete or steel. DSB High Strength Epoxy may be used in combination with other high quality D.S. Brown products. Please contact The D.S. Brown Company for more information on compatible D.S. Brown products at 419.257.3561 or dsbrown.com.

### Features

- High-strength structural adhesive
- Meets ASTM C 881 Grade 3, Class B, Types II and V and Grade 3, Class C, Types I, II, IV, and V
- Ideal for bonding rubber to structures such as elastomeric seals and rubber drainage troughs and anchoring dowels, bolts, reinforcing steel and threaded rod
- Moisture tolerant
- Non-sag gel consistency
- Excellent adhesion
- Compatible with J/JP Sealing Systems

### Properties

Physical Properties of the High-Strength Adhesive	Method	Value
Gel Time (73°F)	ASTM C881	50 minutes
Compressive Strength (7 days)	ASTM D695	10,000 psi
Compressive Modulus (7 days)	ASTM D695	200,000 psi
Concrete Bond Strength (hardened to hardened, 14 days)	ASTM C882	2,300 psi
Concrete Bond Strength (plastic to hardened, 14 days)	ASTM C882	2,300 psi
Water Absorption	ASTM D570	0.30%

### High Strength Epoxy Mixing Information

Sold by the unit. Each unit consists of one-half gallon of Part A, one-half gallon of Part B.

Premix Parts A and B individually if not using entire container.

Proportion equal parts by volume of Part A and Part B into a clean mixing container.

When measuring, Do not use one tapered container such as a Dixie paper cup, filling it half full of A and half full of B; the correct ratio (1:1) cannot be achieved due to tapered feature of container.

Thoroughly mix using low speed drill (400 to 600 RPM) and paddle mixer for 3 minutes, scraping sides of container until a uniform gray color is achieved.

Only mix amount of epoxy that can be used within its gel time. Spread mixed epoxy out thin on a hawk to extend gel time. If you pile it up, the gel time will be shortened due to the greater mass and exotherm.

#### Caution:

**Component “A” Irritant:** Product is a strong sensitizer. Prolonged contact with skin may cause irritation. Avoid eye contact.

**Component “B” Corrosive:** Contact with skin may cause severe burns. Avoid skin contact.

### Precautionary Measures

Do not swallow. Avoid contact with skin, eyes, and clothing. Use of safety goggles and chemical-resistant gloves recommended. Avoid breathing vapors. Use adequate ventilation. Use of a NIOSH/MSHA organic vapor respirator recommended if ventilation is inadequate. Empty containers containing hazardous residue. Consult SDS for additional information.

## DSB High Strength Epoxy

### First Aid Measures

For eye contact flush immediately with water for at least 15 minutes and seek immediate medical attention. If inhalation causes discomfort, remove person to fresh air. If discomfort persists, breathing difficulty occurs, or if swallowed, seek immediate medical attention. For skin contact, remove epoxy immediately with a dry cloth or paper towel. Wash area of contact thoroughly with soap and water. Solvents should not be used to remove epoxy from skin because they carry the irritant into the skin.

Remove contaminated clothing and wash prior to re-use. Cured epoxy resins are innocuous.

Refer to Safety Data Sheet (SDS) for further information.

### First Aid Measures

40-95°F. Precondition material to 65 to 85°F prior to using.

### Shelf Life

2 years in unopened containers.

**FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN. DO NOT REUSE CONTAINER.**

**24-HOUR EMERGENCY CONTACT: CHEMTREC  
800-424-9300.**

### Clean Up

Ventilate area. Confine spill. Collect with absorbent material, flush area with water. Dispose of in accordance with current applicable local, state and federal regulations. Uncured material can be removed with Citrus Cleaner or other approved solvent. Cured material can only be removed mechanically.

