



## Expansion Joint Systems **J & JP Series Sealing Systems Installation**

### On-Site Installation Materials

- DSB High Strength Epoxy Parts A & B
- Seal Conditioner
- Drill/Mixer Paddle
- Trowel
- Clean Rags
- Stiff Nylon Paint Brush
- Rubbing / Denatured Alcohol
- Wire Brush or Sandblasting Equipment and Black Beauty Media

### Installation Preparation

Form or saw cut the groove/joint opening into the concrete to the recommended depth. Ensure that the interfaces, whether concrete or steel, run parallel to each other for the length of the run. Walls should be plumb and should be spaced at a consistent width across the joint. Unsound concrete shall be removed and repaired. Cracks also shall be repaired.

Clean dirt, stones and standing water from the joint opening. Use a stiff bristled brush and compressed air to remove all dust.

Sandblast the vertical walls of the groove. Immediately before installation, the interface walls should be with blown out with clean, dry compressed air.



### Product Installation

**Step 1** - Uncoil the seal and allow it to relax.

**Step 2** - Apply the conditioning agent to the sidewalls of the seal.

**Step 3** - Wire-brush the sides of the J or JP point seal to abrade the surfaces that receive the epoxy adhesive. Lightly sandblasting with Black Beauty media can also be used as a substitute to wire-brushing. Care must be taken so that the seal is not damaged during this operation. When done properly, the shine of the surfaces will be removed and a roughened, dull, tacky finish will be obtained.

**Step 4** - Apply the rubbing/denatured alcohol, scrubbing vigorously into the ribs using a stiff nylon brush or clean alcohol-soaked rags. This will remove any residue which may impede the bond.

**Step 5** - Dry with clean cloth rags.

**Step 6** - Mix the adhesive (see mixing steps on back page) to the manufacturer's specifications; 1:1 ratio.



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**Step 7 - Apply the adhesive to both vertical sides of the expansion joint and into the ribs of the J or JP Seal.** Apply the adhesive to the sidewall ribs of the profile using a trowel or putty knife as the seal is installed. The ribs must be completely filled with adhesive.

**Step 8 -** Insert the profile in the gap to the proper depth.



**Step 9 -** Check the ribs for proper adhesive coverage and fill any voids. Excess adhesive above the ribbed area should be removed with a trowel or putty knife.

**Step 10 - Important:** Immediately after J or JP seal placement in the joint, clean any excess drips or puddles of adhesive from the top of the seal. Remove any excess adhesive using organic solvents and a clean cloth rag. Failure to clean excess epoxy could cause damage to the seal.

Allow the adhesive to cure twenty-four hours (at temperature 70°F). Maximum bond strength (at room temperature) is usually achieved within 48 hours.

**Adhesive Mixing Instructions**

Premix DSB High Strength Epoxy 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.

**Health/Safety Guidelines**

*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.*

*\*Misuse of this product could result in serious injury or harm to the user. For more information on product safety and handling, please consult the product Safety Data Sheet. However, since the conditions of handling and use are beyond our control, we assume no liability for damages incurred by the use of this material. It is the responsibility of the buyer of the product to comply with all applicable federal, state and local laws and regulations, as well as the buyer company policies and procedures for handling this product.*



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