

Installation Guide



The D.S. Brown Company

www.dsbrown.com

The D.S. Brown Co.

Founded in 1890 and based in North Baltimore, Ohio, USA, The D.S. Brown Company is a worldwide designer, manufacturer and supplier of engineered products for the highway and bridge construction markets.

D.S. Brown is fully integrated, performing and controlling all requirements of a project internally:

- Research and Development
- Engineering Design/CAD Detailing
- Load Testing
- Rubber Compounding, Mixing, Extruding and Molding
- Custom Steel Fabrication and Machining

**PROTECT
YOUR
INVESTMENT**

J & JP Seals

On-Site Installation Materials

- Cebreg Bonder (XE-140) Parts A & B
- Cebreg Conditioner
- Drill/Mixer Paddle
- Trowel
- Clean Rags
- Stiff Nylon Paint Brush
- Rubbing / Denatured Alcohol
- Wire Brush or Sand Blasting Equipment and Black Beauty Media



Installation Preparation

Form or saw cut the groove/joint opening into the concrete to the recommended depth. Assure 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 prior to installation, the interface walls should be blown out.



HEADQUARTERS

300 East Cherry
North Baltimore, Ohio 45872

CONTACT

Phone (419) 257-3561
Fax (419) 257-2200
www.dsbrown.com

Product Installation



Uncoil the seal and allow it to relax. Apply the conditioning agent to the side-walls of the seal. Wire-brush the sides of the joint seal to abrade the surfaces that receive the epoxy adhesive. Lightly sand blasting 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. Then, 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. Finally, dry with clean cloth rags.



Mix the adhesive (see mixing steps on back page) to the manufacturer's specifications; 1:1 ratio. Apply the adhesive to the joint interfaces. Apply the adhesive to the side-wall ribs of the profile using a trowel or putty knife as the seal is installed. The ribs must be completely filled with adhesive.



Applying seal conditioner into the ribs of the profile.

Adhesive Mixing Steps *



Step 1.



Step 2.



Step 3.



Step 4.

* 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 Material 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.



Insert the profile in the gap to the proper depth. Check the ribs for proper adhesive coverage. Fill any voids. Excess adhesive above the ribbed area should be removed with a trowel or putty knife. 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.



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



Adhesive Mixing Instructions

1. Open the epoxies part “A” and “B”. **2.** Blend the two components with a margin trowel or wide putty knife. **3.** and **4.** The black and gray colors should be thoroughly blended to make a rich black color; there should be no streaks from partially mixed components. After material is thoroughly mixed, portions of the batch should be distributed to other workers installing the product. **As with any epoxy, do not allow the mixed epoxy adhesive to set in a pile or confined container such as a pail. This will accelerate the cure and material will prematurely harden due to the thermal reaction of the two components.**

Additional Product Information

For more information on the J & JP Seals and any other D.S. Brown Products/Services please contact your D.S. Brown Sales Representative or go online at www.dsbrown.com.

