

Delcrete® Strip Seal Expansion Joint Systems

Since its introduction in 1983, the Delcrete® Elastomeric Concrete/Steelflex® Strip Seal Expansion Joint System has been utilized on hundreds of bridges worldwide as an alternative to more labor intensive, cast-in-place expansion joint rehabilitation solutions. This expansion joint system also offers superior long-term performance when compared to various pourable joint solutions. Components to this system include: low profile SSA2 or SSE2M Steelflex® rail profiles and Delcrete® Elastomeric Concrete. Delcrete® Elastomeric Concrete is a pour-in-place, free-flowing, two-part polyurethane-based elastomeric concrete. Delcrete® has been compounded to bond to a variety of surfaces including steel and concrete.

Following are the design features of the industry's premier elastomeric concrete:

- Polyurethane chemistry
- Non-brittle over extreme temperature ranges
- Resistant to nearly all chemicals
- Two hour cure time
- Permanent, long-term repair solution

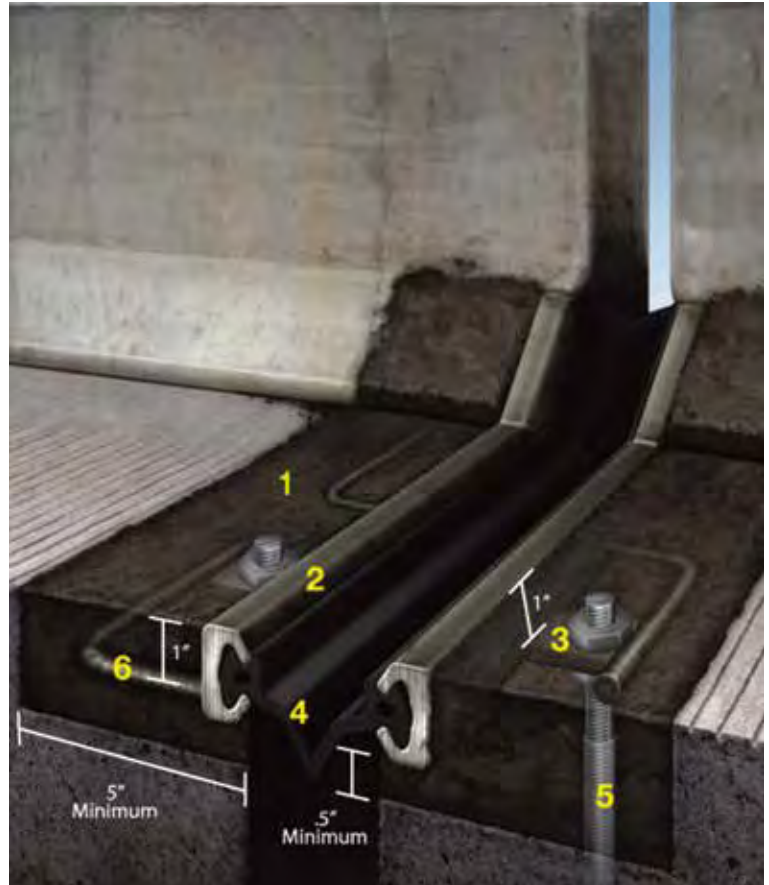
Although initially developed for the bridge rehabilitation market, the outstanding performance record of Delcrete® has resulted in bridge owners specifying Delcrete® Strip Seal Expansion Joint Systems for new bridge construction projects as well.

Installation

Proper installation of Delcrete® is essential to ensure long-term performance. Therefore, a D.S. Brown technical representative or a representative of its licensed applicator shall be present on the job site during all phases of the installation. Basic installation considerations include:

- Minimum ambient and concrete substrate temperature: 45°F (7°C)
- Sandblast entire blockout, including steel rail profile, followed by a compressed air sweep
- Blockout area must be completely dry before installation

A comprehensive list of installation procedures is found in The D.S. Brown Delcrete® Strip Seal Expansion Joint System Installation Datasheet, located on our website: www.dsbrown.com.



Delcrete® Strip Seal Expansion Joint

System Details

1. Delcrete® Elastomeric Concrete
2. Steelflex® SSE2M or SSA2 Rail Profiles
3. 0.25" x 2" Leveling Tab
4. Polychloroprene Sealing Element
5. 0.5" Expansion Anchor with Threaded Rod and Hex Jam Nuts "Leveling Method"
6. 0.5" Diameter x 9" Stud Anchor at 9" Spacing (Bent 90° at 3") "Anchor Method"

Bridges

Bridge the World with Leading Infrastructure Solutions