

Installation Guidelines for Delastic® CV/CA/AF Compression Seals

Introduction

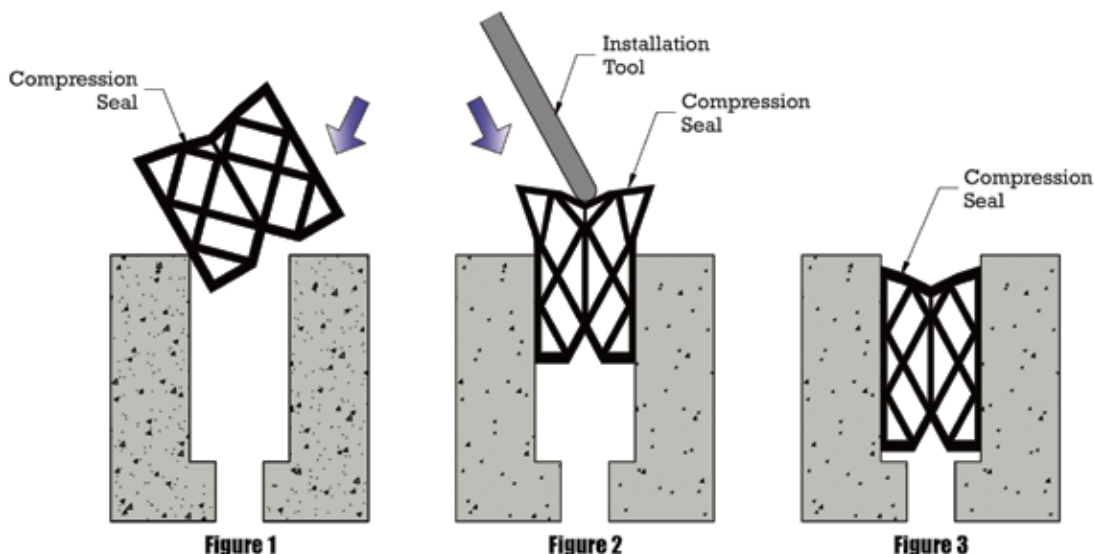
The seals shall be installed by suitable hand or machine tools and thoroughly secured in place with the approved lubricant-adhesive which shall cover both sides of the seals over the full area in contact with the sides of the joint. The lubricant-adhesive may be applied to the sides of the joint or the seals or both. The seals shall be installed in a compressed condition and shall at all times be below the level of the deck surface as shown on the plans. The seals shall be in one continuous piece for the full length of the joint. The continuous piece for installation shall not have a manufacturer's butt splice within its length. Temperature limitations of the lubricant-adhesive, as specified by the manufacturer, shall be observed. Joints shall be sandblasted clean and be free of foreign materials immediately prior to installation of the seals.

Joint Preparation

Saw cutting of the joint opening is the preferred method of preparation. For formed joints, forming materials should be carefully removed to avoid edge spalling of the concrete. Joint spalling should be repaired with Delpatch™ or Delcrete® Elastomeric Concrete prior to seal installation. Concrete sidewalls must be sound and completely clean and dry prior to Delastic® Seal installation. Sand blasting each joint face and then blowing out the joint with clean, dry compressed air is highly recommended to ensure the cleanliness requirements are archived.

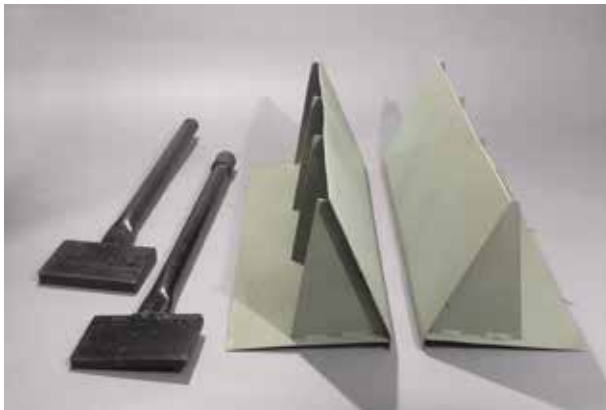
Seal Installation

Prior to installation, the Delastic® Compression seal shall be uncoiled from shipment packaging and allowed to relax for at least 15 minutes. The Delastic® seal shall be installed by suitable hand or machine tools and thoroughly secured in place with a D.S. Brown approved high solids lubricant-adhesive. The lubricant adhesive shall be applied to the outside walls of the seal or the walls of the joint, or both. The seal shall be installed in a compressed condition, and at all times be recessed below the deck surface at $\frac{1}{4}$ " (Seals CV-1250 - CV-2502) and $\frac{1}{2}$ " (Seals CV-3000 - CA-6000), unless otherwise instructed by the project engineer. Care must be taken so that the Delastic® Compression seal is not stretched during the installation process.



Installation Tools

D.S. Brown has designed tools to make installing compression seal into joints easier than hand installation techniques.



Trough and Tapper Installation Tool

The Trough and Tapper is the simplest and least expensive tool for installing compression seals ranging from 1 1/4" to 4" in nominal width.



Mark X Installation Tool

The Mark X is ideal for installing compression seals ranging from 1 5/8" to 2 1/2" in nominal width.



Mark XX Installation Tool

The Mark XX Hydraulic tool is designed to ease the installation of large compression seals ranging from 3" to 6" in nominal width. Visit our YouTube page for videos of our installation tools.



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