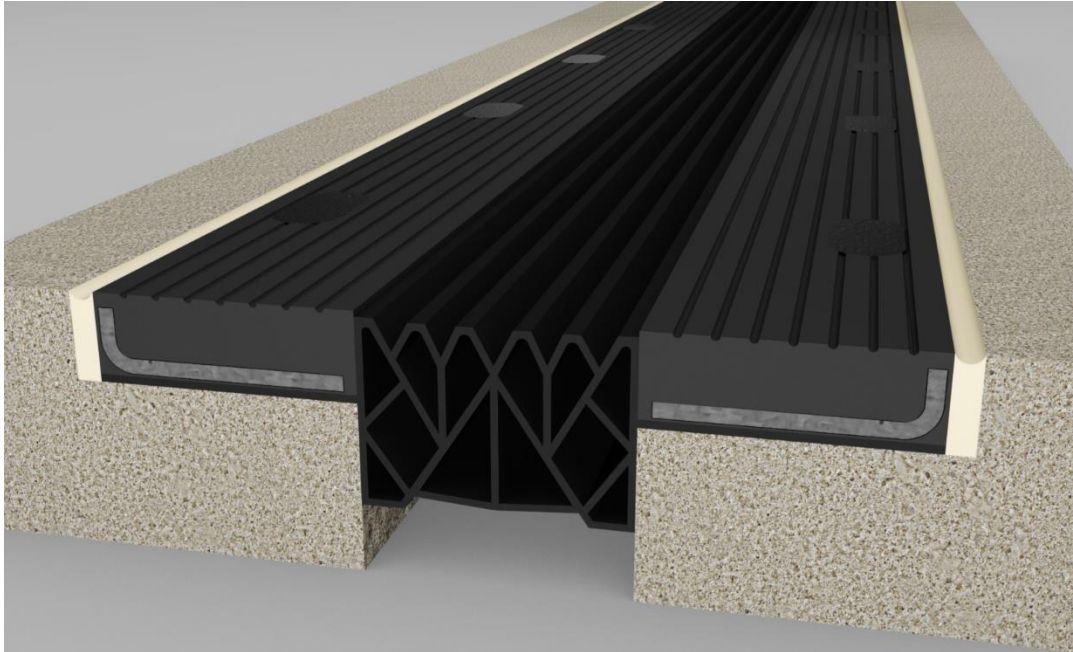


Installation Procedure

Last Updated: May 16th, 2018



Wabo®ElastoFlex

Continuous Membrane Sealing System for Bridge & Highway Applications

The following installation procedure is very important and must be fully understood prior to beginning any work. To ensure proper installation and performance of expansion joint system the following actions must be completed by the installing contractor. Failure to do so will affect product warranty.

- 1) Carefully read and understand installation procedure. Contact WBA's Technical Service Department at (800) 677-4922 for product assistance.
- 2) Inspect all shipments and materials for missing or damaged components and hardware. Contact Customer Service at (800) 677-4922 with WBA's order number and invoice for prompt assistance.
- 3) Inspect substrate or adjacent construction for acceptance before beginning work. Report unacceptable construction to the project manager for scheduled repair work.
- 4) Review WBA shop drawings for project specific detailed information if Engineering services were purchased at time of order.

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Health & Safety

During the installation of any Watson Bowman Acme product, appropriate personal protective items should be worn at all times, including but not limited to the following:

- Proper work clothing
- Safety glasses
- Safety boots
- Gloves
- Hard hat



Local rules and regulations regarding safe work environments and health should be followed.

Pre-Installation Notes

The work shall consist of furnishing and installing a Wabo®ElastoFlex joint system in accordance with the details shown on the plans and the requirements of the specifications. The Wabo®ElastoFlex joint system is shipped in standard sections, 6'-0" lengths with the reinforced gland in one continuous length for field assembly.

Field Preparation

- The blockout in the roadways, curbs, sidewalks and barriers shall be constructed to the dimensions shown on the shop drawings. All air voids 1/4" (6mm) and larger shall be pointed with an approved grout. The bottom surface of the blockout shall be parallel with the plane of the roadway (true and flat).
- The anchor spacing, corresponding to the dimensions spanning the open joint, must be verified and adjusted for temperature prior to the installation of the anchors.

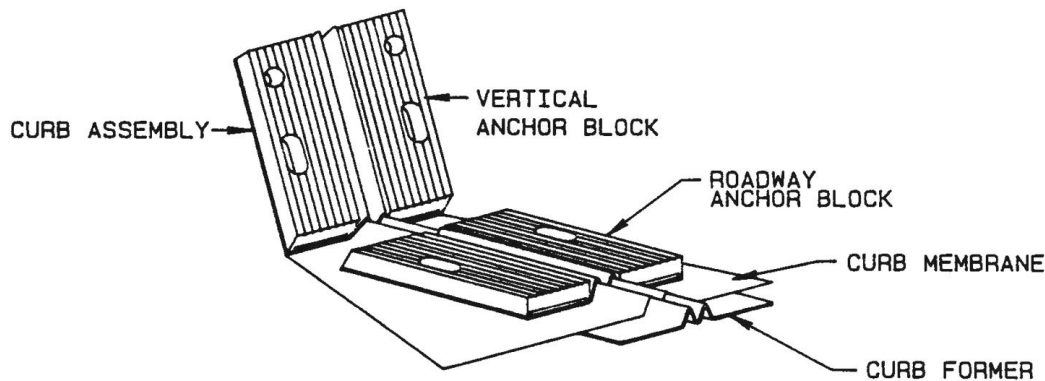
Anchor Placement

- Cast-in-place type anchors shall be installed into the formwork starting at the gutter line and proceeding toward the "field-cut piece." Care shall be taken to ensure that the anchors are set at right angles to the bottom of the blockout.

Gland Installation

- 1** Position the roadway gland into the blockout and cut it so that the ends of the gland are parallel and rest against the bottom of the curb blockout. Cut the curb-former piece to match those cuts made on the curb blockout.

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- 2** The curb-former is positioned under the curb membrane to provide support for the adhesive-backed portion of the curb assembly. Care should be taken to ensure that the cut end (skewed end) is parallel to the anchorage flaps of the curb gland.
 - 3** Rotate the protective paper from the curb membrane and rotate the anchorage flaps of the gland to a vertical position. Insert the center "M" configuration into the curb membrane, while aligning the end butt with the curb gland.
 - 4** Proceed from the center of the "M" configuration outward, while ensuring the curb membrane follows the profile of the roadway gland. Beginning in the curb area, apply the sealant as shown on the shop drawings. Continue the application across the roadway width. Re-install the curb assembly and gland into the blockout. (Refer to the sketch below).



CURB ASSEMBLY

Anchor Block Installation

- 1** Position the factory-cut curb anchor blocks and install the hardware to the required 65 ft/lb torque. Apply NP1 Sealant to tongue and groove areas of the blocks. Place the factory-cut anchor blocks over the anchors and force adjacent blocks against the previously-installed curb anchor block. Continue this procedure with the standard anchor blocks until reaching the field-cut piece.
- 2** The field-cut piece is to be cut and/or mitered to the required dimensions. Once the field-cut piece has been fastened down, the remaining anchor blocks can be installed. Approximately one hour after initial installation has been completed, retorque the hardware to 65 ft/lbs.

3

With all sections installed to the satisfaction of the Engineer, fill the bolt cavities with URA Sealant. Seal void between Wabo®Elastoflex anchor blocks and vertical face of blockout with NP1 Sealant.

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