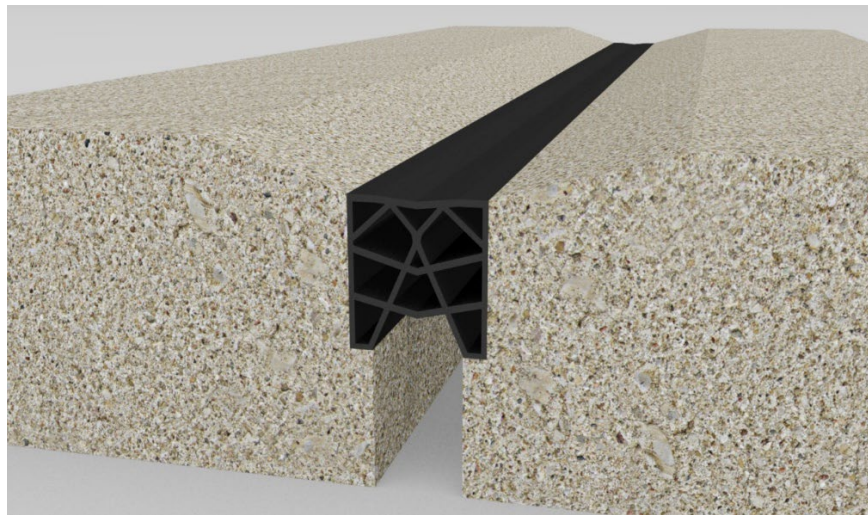


Installation Procedure

Last Updated: June 2024



Wabo® CompressionSeal

Preformed Elastomeric Joint Seal 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.

General

The work shall consist of furnishing and installing a Wabo®CompressionSeal bridge series joint seal in accordance with the details shown on the plans and the requirements of the specifications. Placement of the Wabo®CompressionSeal joint seal shall consist of proper surface preparations, materials, and application of materials.

The Wabo®CompressionSeal joint seal shall be shipped in the longest practical continuous length. Wabo®PrimaLub lubricant adhesive will be shipped in manufacturers labeled containers. Seals shall be cut to length on jobsite where required. Miter cut or bend seal (depending on size) in the field to conform to directional changes.

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 gap edges should be chamfered to help prevent small fractures and spalling. Edge spalling conditions should be repaired and allowed to properly cure prior to installation of the Wabo®CompressionSeal. Repairs shall be made as directed by the Engineer.

The concrete sidewalls must be sound and free of all contaminants such as grease, oil, form release agents. etc., prior to installation of the Wabo®CompressionSeal.

The preferred method of surface preparation to produce laitance-free, roughened sidewalls is where abrasive blasting is not permitted; disc grinding should be employed. Care should be taken to ensure a coarse disc is used; to produce an abraded surface. The gap openings should be blown out with clean air to remove dust.

Installation must be performed in joint gap openings with sound, clean and dry substrates. Any loose portion of concrete at the gap must be removed and the concrete properly repaired as directed by the engineer.



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Seal Placement

Prior to installation, the profile shall be uncoiled from shipment packaging and allowed to reach a relaxed condition. The Wabo® Compression Seal profile shall be cut to the correct length for installation. Care should be taken to extend the profile to its full length, without exerting any tension.

Apply the lubricant adhesive to the inside of the joint gap to a sufficient depth. The profile should then be inserted into the joint gap positioning seal to the proper depth.

Splice Procedure

Clean surfaces to be bonded of any dust, talc or other residue with an approved solvent. Ensure that the surfaces to be bonded together are both smooth so that full bearing contact can be achieved.



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The bond at the splice location is achieved with a cyanoacrylate adhesive, which polymerizes on contact and produces a neoprene-to-neoprene bond with a minimum strength of 400 psi. To only one bonding surface, apply a conservative bead of adhesive to all webs of seal. Glue on the side of the seal on only the webbing.

*Note that too much adhesive will inhibit the bonding ability.



Immediately after the adhesive is applied, carefully align the seal to bonding surfaces and force together with an even pressure.



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Seal Upturn/ Downturn

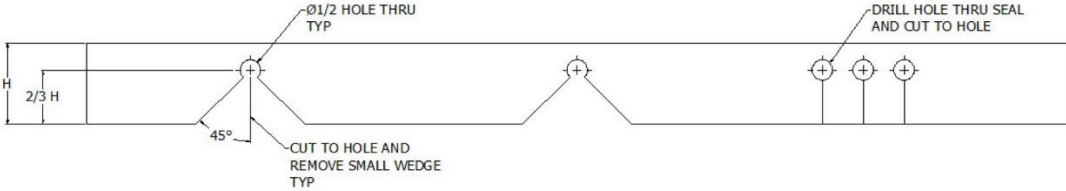


Figure 1 Up-Turn/Down-Turn Detail

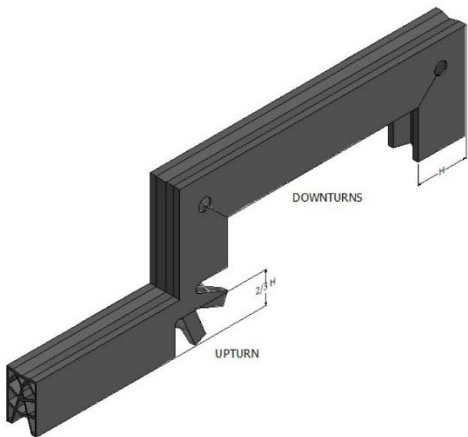
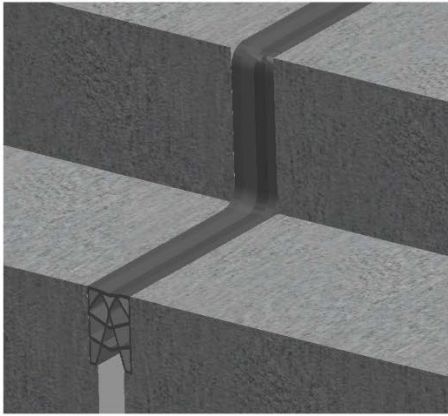


Figure 2



(For clarity, seal is shown uncompressed)
Complete Installation



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