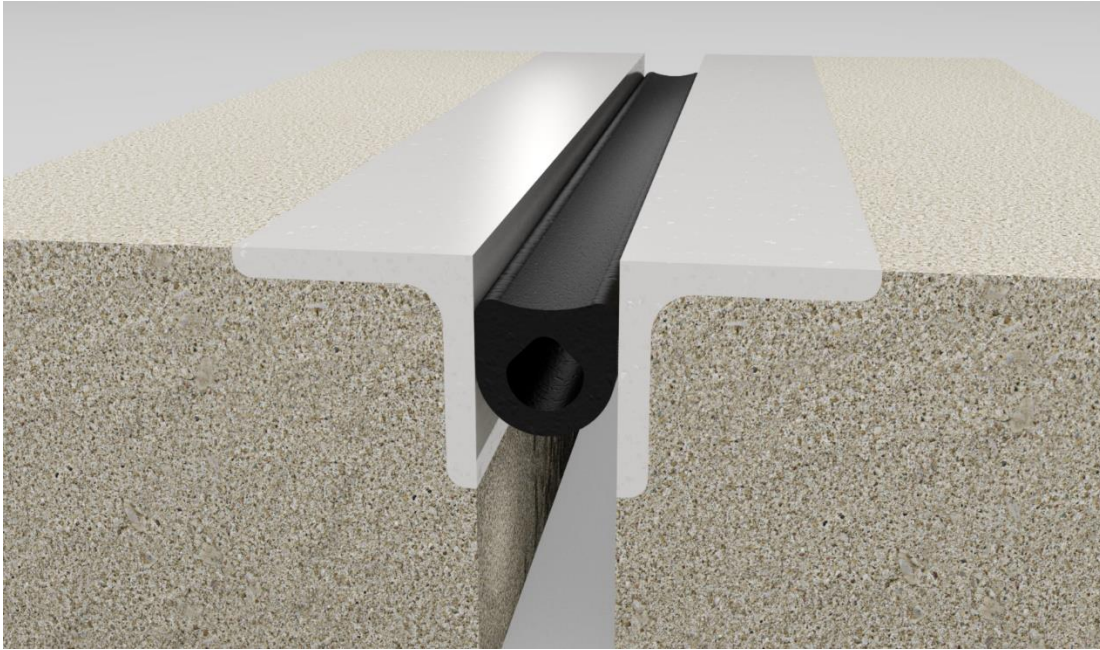


Installation Procedure

Last Updated: February 2019



Wabo®InverSeal Bridge

Preformed, Flexible Closed-cell Neoprene Joint Seal

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®InverSeal joint seal in accordance with the details shown on the plans and the requirements of the specifications. Placement of the Wabo®InverSeal joint seal shall consist of proper surface preparations, material and application of materials. The Wabo®InverSeal joint seal shall be shipped in the longest practical continuous length in manufacturer's standard shipping carton. Wabo®Paste 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 unless otherwise contracted with expansion joint manufacturer.

Joint Preparation

- 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®InverSeal. 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®InverSeal.
- The preferred method of surface preparation to produce laitence-free, roughened sidewalls is abrasive blasting. Where this is not permitted, disc grinding should be employed. Care should be taken to insure a coarse disc is used, so as 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.

Preparation (Steel – New or Existing)

- Steel surfaces must be abrasive blasted immediately prior to installing the Wabo®InverSeal Profile. This is a requirement in new or existing construction. All oxidation must be removed and “white steel” revealed. Where abrasive blasting is not permitted, steel surfaces will be aggressively disc ground to roughen and abrade the surface to achieve the “white steel” condition.
- Stainless steel surfaces require aggressive grinding and blasting to remove the smooth, glassy surface for acceptable installations. On galvanized steel surfaces, the galvanizing material must be removed to look like “white steel.” Immediately install the Wabo®InverSeal Profile into the steel joint gap to avoid oxidation of the steel surface.

Seal Placement

- 1** Prior to installation, the profile shall be uncoiled from shipment packaging and allowed to reach a relaxed condition. The Wabo®InverSeal 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.
- 2** The serrated sidewalls should be cleaned with the Wabo®Conditioning Agent supplied by the manufacturer. The two component epoxy adhesive should be thoroughly mixed until a uniform color result. Apply the Wabo®Paste Adhesive to the inside of the joint gap to a sufficient depth; so that when the Wabo®InverSeal is installed, the adhesive is in contact with the serrated sidewalls of the seal. The adhesive should then be applied to the profile so that it covers the entire serrated sidewall of the profile.
- 3** The profile should then be inserted into the joint gap positioning seal to the proper depth. Use a clean rag dampened with Wabo®Concrete Cleaner to remove excess adhesive from the Wabo®InverSeal profile.

Splice Procedure

- 1** Cut seals to be bonded at 45 degree angle. Clean surfaces to be bonded of any residue with an approved solvent. Ensure that the surfaces to be bonded together are both smooth so that full bearing contact can be achieved.
- 2** The bond at the splice location is achieved with aron alpha designed to bond rubber. This adhesive, supplied by the manufacturer, shall be applied to one surface only. Immediately after the adhesive is applied, carefully align the ends of seal to bonding surfaces and force together with an even pressure (approximately 1 minute).

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NOTE: For better alignment, glue should be applied in small area at a time until entire surface is covered.

*Watson Bowman Acme is your Strongest Partner for Expansion Joint Systems & Responsible Solutions.
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