

Wabo®HSeal

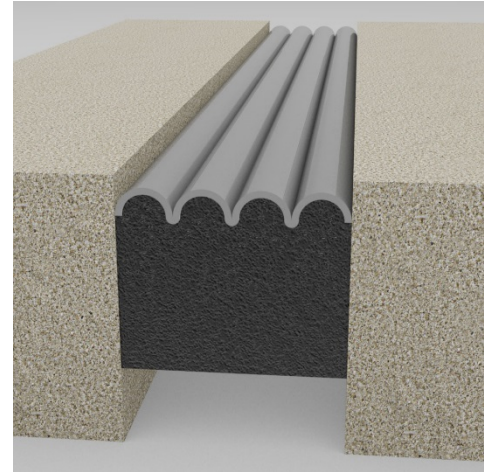
Pre-Compressed Horizontal Expansion Joint System

Features	Benefits
<ul style="list-style-type: none"> • Pre-Compressed 	Expands into place after installed into joint opening. Saves time and labor.
<ul style="list-style-type: none"> • UV stable polymer impregnated foam 	Acts as a secondary sealant in case the primary coating is damaged.
<ul style="list-style-type: none"> • No mechanical anchors 	Easy installation
<ul style="list-style-type: none"> • Versatile movement 	Can accommodate horizontal, vertical and skew expansion joint movements.

DESCRIPTION:

Wabo®HSeal is a pre-compressed traffic-grade silicone coated expansion joint system designed to provide a permanent weather tight seal. Primarily used in horizontal applications, the system is sealed in place with an epoxy, which allows it to accommodate horizontal, vertical, and skew expansion joint movements. The system has been designed to meet the high performance needs of State and Federal DOT projects.

Wabo®HSeal consists of a UV stable, micro-cell, polyurethane foam impregnated with a hydrophobic polymer and topped with a traffic-grade silicone coating. The impregnated foam provides a valuable secondary water tight seal in case the primary elastomeric coating is damaged. The system is supplied in pre-compressed sticks ready to be easily installed.



RECOMMENDED FOR:

- Sealing joints on bridges, parking decks, stadiums, buildings and waste water treatment facilities
- Repair and maintenance of existing joints
- Horizontal and vertical applications
- Expansion joints with varying joint widths.

PACKAGING/COVERAGE:

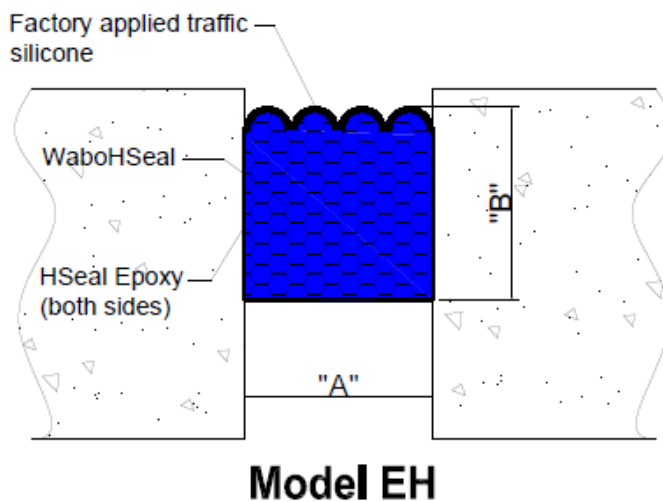
- Shipped in nominal standard lengths of 5 ft. (1.524 meters) pre-compressed sticks.
- Two component HSeal epoxy is supplied in two 32 oz containers.

Seal Depth		Yield	
1.5"	38 mm	69 LF	21 m
2"	50 mm	55 LF	17 m
3"	75 mm	40 LF	12 m
4"	100 mm	31 LF	9.5 m

TECHNICAL DESIGN:

Design Information:

WaboHSeal is designed to meet the high performance needs of State and Federal DOT projects. With the use of the supplied two component epoxy adhesive, it will ensure adequate long term adhesion to the surrounding surface. While also providing a permanent, weather tight seal, eliminating costly water damage as well as allow for a greater degree of joint movement.



Movement Table

Model Number	Joint Opening "A"						Rec. Min Install J.O.		System Depth "B"	
	Min.		Max.		Total		in	mm	in	mm
	in	mm	in	mm	in	mm				
25EH	0.50	13	1.50	38	1.00	25	0.75	19	2.00	51
40EH	0.75	19	2.25	57	1.50	38	1.25	32	2.00	51
50EH	1.00	25	3.00	77	2.00	51	1.75	44	3.00	76
65EH	1.25	32	3.75	96	2.50	64	2.25	57	3.00	76
75EH	1.50	38	4.50	115	3.00	76	2.75	70	3.00	76
90EH	1.75	44	5.25	134	3.50	89	3.25	83	3.00	76
100EH	2.0	51	6.00	153	4.00	102	3.75	95	3.00	76

Other sizes are available, contact WBA for details. Contact your WBA Representative with your special design needs.



Physical Properties (Foam Seal)

PHYSICAL PROPERTY	ASTM TEST METHOD	REQUIREMENTS
Tensile Strength, min	ASTM D3574	21 psi Min.
Ultimate Elongation	ASTM D3574	125% +/- 20%
Thermal Conductivity		0.05 W/m.°C
Temperature Stability Range		- 40°F to 185°F
Resistance to Compression Set	ASTM D3574	Max 2.5%
Density lb/ft ³ (at mean joint)		>25

Physical Properties (Exposed Silicone Seal)

PHYSICAL PROPERTY	ASTM TEST METHOD	REQUIREMENTS
Effects of accelerated weathering resilience	ASTM C793	Pass per D5893, 5000 hrs
Ultimate elongation	ASTM D412 (Die C)	≥ 600%
Tensile Stress@150%	ASTM D412 (Die C)	28 psi%

APPLICATION

INSTALLATION SUMMARY:

- Store indoors at room temperature. Expansion of WaboHSeal is quicker when warm and slower when cold. When installing WaboHSeal in extreme heat, store in a cool place to give the installer sufficient time for placement.
- Cut the shrink wrap and remove the masonite strapping from the WaboHSeal, and remove the white release paper from both sides of the stick.
- Apply a thin bead of epoxy on inside face of joint opening where the material will be in contact with the concrete slab.
- Place WaboHSeal in the joint and recess at least ¼" from the top of the finished surface.
- At splice locations apply a thin bead of sealant that will blend into the elastomeric at the exterior face.
- If WaboHSeal is subject to high heel foot traffic it should be covered with a plate.
- Installation Instructions are available from Watson Bowman Acme and are included with the material.

RELATED DOCUMENTS:

- Material Safety Data Sheet
- WaboHSeal Specification
- WaboHSeal Sales Drawings
- WaboHSeal Installation Procedure



FOR BEST RESULTS:

- Surfaces to be sealed must be sound, dry, clean and free of oil, grease, laitance, rust and other foreign material that would prevent proper adhesion.
- Excessive moisture will defeat the self-adhesive application advantage of the tape but will not lessen the effectiveness of the expanded material as a seal.
- Remove dirt and other loose particles.
- Do not install if the joint's anticipated movement will exceed the seal's movement range.
- Periodically inspect the applied material and repair localized areas as needed. Consult a Watson Bowman Acme representative for additional information.
- Make certain the most current version of the product data sheet is being used. Please consult the website (www.watsonbowmanacme.com) or contact a customer service representative.
- Proper application is the responsibility of the user. Field visits by Watson Bowman Acme personnel are for the purpose of making technical recommendations only and not for supervising or providing quality control on the jobsite.

LIMITED WARRANTY:

Watson Bowman Acme Corp. warrants that this product conforms to its current applicable specifications. WATSON BOWMAN ACME CORP. MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. The sole and exclusive remedy of Purchaser for any claim concerning this product, including, but not limited to, claims alleging breach of warranty, negligence, strict liability or otherwise, is the replacement of product or refund of the purchase price, at the sole option of Watson Bowman Acme Corp. Any claims concerning this product shall be submitted in writing within one year of the delivery date of this product to Purchaser and any claims not presented within that period are waived by Purchaser. IN NO EVENT SHALL WATSON BOWMAN ACME CORP. BE LIABLE FOR ANY SPECIAL, INCIDENTAL, CONSEQUENTIAL (INCLUDES LOSS OF PROFITS) OR PUNITIVE DAMAGES. Other warranties may be available when the product is installed by a factory trained installer. Contact your local Watson Bowman Acme representative for details. The data expressed herein is true and accurate to the best of our knowledge at the time published; it is, however, subject to change without notice.

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