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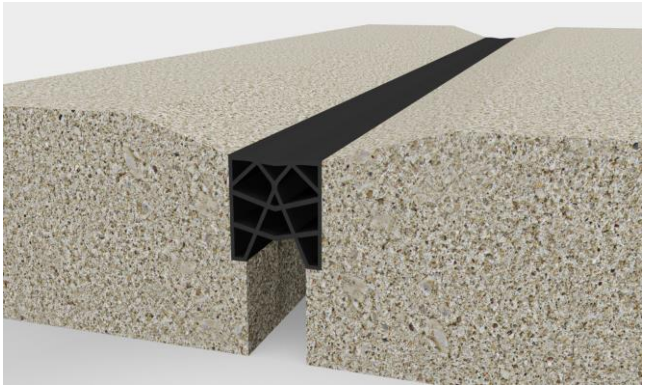
Wabo®CompressionSeal

Parking Series
Preformed Elastomeric Joint Seal

Features	Benefits
• Proven record	Cost effective solution with over 30 years history of success
• Ease of installation	No mechanical anchors or metal components. Installed by compressing the seal into place.
• Flat top surface	Non-serrated top provides a smooth riding surface.
• Neoprene rubber	Provides excellent resistance to chemicals, de-icing salts, abrasion, and exposure to UV.



DESCRIPTION:

Wabo®CompressionSeal is a preformed elastic joint seal manufactured of neoprene and installed with a lubricant adhesive. It is highly resistant to deterioration from exposure to weather, sunlight, oils and impact.

When properly installed, Wabo®CompressionSeal provides a permanent seal for any type construction whether in parking decks, buildings, or bridges. Featuring an internal elastomeric cross-sectional web configuration, the seal design allows it to exert a continuous and uniform force against the joint walls. Even at the lowest design temperature, the seal will retain its elasticity while maintaining a minimum of 15% compression to assure a dependable seal.

The Wabo®CompressionSeal system has proven itself to be an effective and efficient seal in resisting the differential movements and extreme conditions found in high impact structures.

RECOMMENDED FOR:

- Sealing expansion joints on parking structures and bridges.
- Heavy duty traffic and high load applications

PACKAGING/COVERAGE:

- Elastomeric seals are cut to length and palletized per limitations of required shipping methods.
- WaboPrimaLub – 1 gal container, coverage will depend on joint size, placement, waste, and experience.

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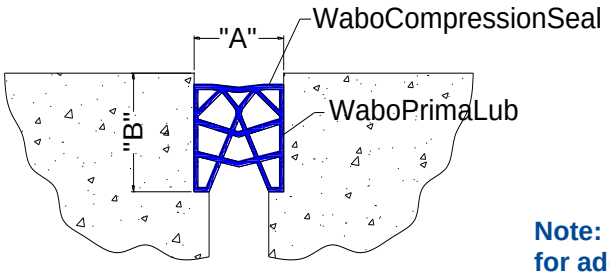
TECHNICAL DATA:

Design Information

The degree of slab movement and actual joint width should be known before the appropriate sized Wabo®CompressionSeal can be selected for a particular joint. Any variation in joint openings as well as creep and shrinkage should also be considered.



WA Series

Note: see product sales drawings for additional details

Movement Table

Model Number	Total Movement		Groove Width "A"				Min. Install Width		Groove Depth "B"		Nominal			
			Min.		Max.						Width		Height	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
WA-162	.756	19	.625	16	1.381	35	1.000	25	2.125	54	1.625	41	1.625	41
WA-175	.800	20	.688	17	1.488	38	1.000	25	2.625	67	1.750	44	2.000	51
WA-200	.825	21	.875	22	1.700	43	1.250	32	2.625	67	2.000	51	2.000	51
WA-225	.960	24	.953	24	1.913	49	1.375	35	3.000	76	2.250	57	2.250	57
WA-250	1.125	29	1.000	25	2.125	54	1.500	38	3.563	90	2.500	64	2.500	64
WA-300	1.425	36	1.125	29	2.550	65	1.750	44	4.313	110	3.000	76	3.000	76
WA-350	1.600	41	1.375	35	2.975	76	2.250	57	4.438	113	3.500	89	3.500	89
WA-400	1.775	45	1.625	41	3.400	86	2.500	64	5.000	127	4.000	102	4.000	102
WA-500	2.563	65	1.687	43	4.250	108	3.000	76	5.938	151	5.000	127	5.000	127

Material complies with ASTM D3542 and AASHTO M297. This specification may effect above tabulated values.

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PHYSICAL PROPERTIES:

Elastomeric seal is extruded from Neoprene and complies with ASTM D3542 and AASHTO M297

PHYSICAL PROPERTY	ASTM TEST METHOD	REQUIREMENTS
Tensile Strength, min	D 412	2,000 psi (13.8 Mpa)
Elongation at Break, min	D 412	250%
Hardness, Shore A	D 2240	55 +/- 5
Oven Aging, 70 hrs. @	D 573	
Tensile, max loss		20%
Elongation, max loss		20%
Change in Hardness		0 to 10 pts.
Oil Swell, 70 hrs. @212ºF(100ºC)	D 471	
Weight Change, max		45%
Ozone Resistance	D 1149	no cracks
70 hrs. @104ºF(40ºC)		
Low Temperature Recovery	Section 7d	
72 hrs 14°F, min		88%
22 hrs -20°F, min		83%
70 hrs 212°F, min		85%

APPLICATION:

INSTALLATION SUMMARY:

- The joint opening must be abrasive blasted to remove all latencies and contaminants which may cause bonding problems.
- Measure and cut to exact length needed for continuous joint, being careful not to pull or stretch the seal.
- Wear appropriate safety gloves when handling WaboPrimaLub. Apply a thin film of WaboPrimaLub lubricant immediately prior to the installation of the WaboCompressionSeal. WaboPrimaLub lubricant should be applied to both sides of the seal and along the joint interfaces.
- Compress seal and insert into joint opening.
- Clean the excess lubricant from the top surfaces.
- The seal should be installed below the finished surface and should never protrude above the joint edge. See the movement chart for details on recess depth.

OPTIONS/EQUIPMENT:

- Seal installation tool (pogo stick) is recommended for installation. Contact WBA for seal installation tool.

FOR BEST RESULTS:

- Install when concrete substrate is clean, sound, dry, and cured (14 day minimum).
- Do not install if the joint's anticipated movement will exceed the seal's movement range.
- Protect the work area with appropriate plastic sheeting.
- Minimize splice points by installing seals in longest possible continuous lengths.
- Do not allow any of the components to freeze prior to installation. Store all components out of direct sunlight in a clean, dry location between 50˚F and 90˚F.
- Shelf life of chemical components is approximately 1 year.

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- 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.wbacorp.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.

RELATED DOCUMENTS:

- Material Safety Data Sheets
- WaboCompressionSeal Specification
- WaboCompressionSeal Sales Drawings
- WaboCompressionSeal Installation Procedure

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.

WaboCompressionSeal_Park_1216

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