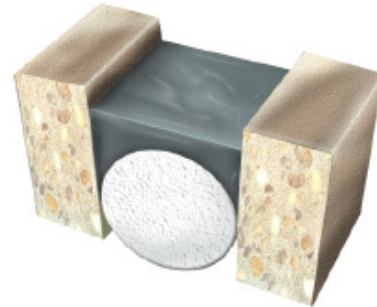




Wabo®SiliconeSeal

Two Part Silicone Joint Seal
(Licensed for use under US Patent No. 5.190.395)

Features	Benefits
<ul style="list-style-type: none"> • Unique Design 	Designed to provide a watertight seal and minimize debris, the seal will easily bond to itself. No priming of interfaces is required, which simplifies and accelerates the installation process
<ul style="list-style-type: none"> • Rapid Installation 	A two-part cold applied, self-leveling, ambient cure sealant assuring ease of installation and providing minimal downtime in the field.
<ul style="list-style-type: none"> • Versatility 	Suitable for concrete, steel, or elastomeric concrete header applications, while allowing multidirectional movements of the structure.



RECOMMENDED FOR:

- Sealing horizontal joints on bridges and parking garages
- Expansion joint applications with a maximum movement range of +100% / -50% of the joint opening.
- Structures where minimum construction closure time is a factor.
- New construction or repair and maintenance of existing joints.

DESCRIPTION:

Wabo®SiliconeSeal is a dynamic two-part sealant designed for horizontal expansion joints on bridges, parking decks, and open air structures. The cold applied, self-leveling, low modulus sealant is ideally suited for the new construction or repair of existing expansion joints. When properly mixed, the sealant cures rapidly to form a well bonded elastomeric seal capable of accommodating movements + 100% /- 50% of the joint opening. Wabo®SiliconeSeal does not require the use of any primers.

PACKAGING/COVERAGE:

- Wabo®SiliconeSeal is a 1:1 mix and available in:
 - Standard 50.72 oz dual cartridge kit (Part A – 25.36oz; Part B – 25.36oz)
 - 10 gal unit (Part A – 5 gal; Part B – 5 gal)
- Yield will depend on joint design, tooling, backer rod placement, waste, and experience.

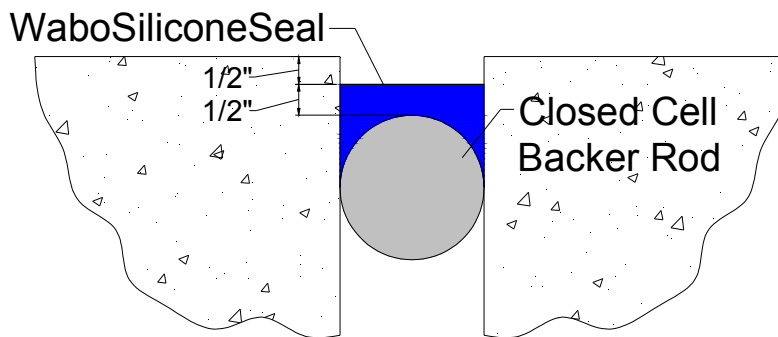
JOINT WIDTH	YIELD/KIT (10 Gal Unit)	YIELD/UNIT (50.72 oz Cartridge)
1" (25mm)	317 LF (96.6m)	12.6 LF (3.8m)
1.5" (38mm)	194 LF (59.1m)	7.8 LF (2.4m)
2" (50mm)	135 LF (41.1m)	5.3 LF (1.6m)
2.5" (64mm)	100 LF (30.5m)	3.9 LF (1.2m)
3" (76mm)	78 LF (23.8m)	3.0 LF (0.9m)

TECHNICAL DATA:

Design Information

Wabo®SiliconeSeal is capable of accommodating movement +100%/-50% of the joint opening at the time of installation. Backer rod should be sized 25% greater to ensure proper joint configuration of the sealant and positioned 1-inch from top of riding surface. Regardless of opening, the sealant shall be 1/2" thick, not to exceed 5/8" in the center.

Wabo®SiliconeSeal is not recommended for joint openings that will exceed 3.25" during the movement cycle.



Physical Properties

PHYSICAL PROPERTIES	ASTM TEST METHOD	PART A	PART B
Color		White	Gray
Viscosity		88,000 cps	34,000 cps
Leveling	C 639	self levels	self levels
Extrusion rate ml/min.	C 1183	200-600	200-600

PHYSICAL PROPERTIES	ASTM TEST METHOD	REQUIREMENTS
Leveling	C 639	self levels
Tack free time	C 679	60 minute max.
Joint elongation	D 5329 ⁽¹⁾⁽²⁾	600% min.
Joint Modulus, 100%	D 5329 ⁽¹⁾⁽²⁾	15 psi (.10MPa) max
Cure evaluation	D 5893	Pass @ 4 hrs, max
Ultimate Elongation	D 412 Die C ⁽¹⁾	1000% min.
Stress @ 150%	D 412 Die C ⁽¹⁾	25 psi max. (.17 Mpa)
Shore Hardness, 00	C 661 ⁽¹⁾	40 - 80
Specific Gravity	D 792 ⁽¹⁾	1.20 - 1.40

(1) Specimens cured at 77 +/-3 F and 50 +/-5% R.H. For 7 days

(2) Specimens size is 1/2"wide x 1/2" deep x 2" long.



APPLICATION:

Installation Summary:

- **Newly placed concrete:** joint interface must be dry and clean (free of dirt, coatings, rust, grease, oil, and other contaminants), sound, and durable. New concrete must be cured (14 day minimum).
- **Aged concrete:** loose, contaminated, weak, spalled, deteriorated and/or delaminated concrete must be removed to sound concrete and repaired prior to placement.
- **Steel:** steel substrates should be sound, steel surfaces must be abrasive blasted SP-10 near white metal, immediately prior to installation.
- The joint opening must be abrasive blasted to remove all latencies and contaminants which may cause bonding problems. The joint opening should be blown clean using compressed air (>90psi).
- A non-gassing closed-cell expanded polyethylene foam rod, approximately 25% larger in diameter than the joint gap is positioned in the joint opening such that the top of the rod is 1" (25mm) below the riding surface.
- The Wabo®SiliconeSeal system shall be applied in one direction only to a thickness of 1/2" (13mm) minimum, while not exceeding 5/8" (16mm) and maintaining a 1/2" (13mm) recess from the riding surface.
- Clean all excess material from the edges of the joint opening as soon as possible. DO NOT allow the silicone to cure before removing it.
- Wabo®SiliconeSeal will begin to cure and form a surface skin within 20 minutes of application. The seal will be ready to accept traffic generally within one hour after installation.

Options/Equipment:

- Dual component pump (for 10 gal kit). Contact WBA for recommended manufacture.
- Well Made AG400 Pneumatic Caulking Gun (for 50.72 oz cartridges) provided by WBA.
- VAS #750.720 DL Mixing Nozzle. Note: material should be mixed using 1/2" dia. 18 element static mixer or greater.
- Closed cell polyethylene backer rod 25% greater than joint opening.

For Best Results:

- Repair any spalls, voids, or structural cracking at the joint interface.
- Do NOT use for joint gap openings that exceed 3.25".
- 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 (10°C) and 90°F (32°C). Do not store in high humidity.
- Shelf life of chemical components is approximately 12 months.
- Do NOT install when surface temperature are less than 40°F (4°C)
- 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.

Related Documents:

- Material Safety Data Sheets
- Wabo®SiliconeSeal Specification
- Wabo®SiliconeSeal Sales Drawings
- Wabo®SiliconeSeal Installation Procedure
- WaboCrete SiliconeSeal Joint System Datasheet



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.

Contact

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