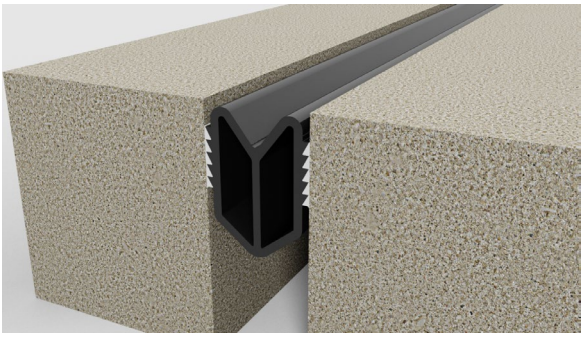
Jeene®

Multi-Directional Structural Sealing Joint System

Features	Benefits
• Unique Designs	Assures that profile will not protrude above surface level – ADA model for pedestrian walkways are also available; Ribs on sides of profile assure greater adhesion
• Air Inflation Process	Process allows for maximum bonding of epoxy adhesive to the profile and joint wall.
• Versatile Movement Capacity	Allows free movement of structure in any direction without joint failure. Can take skew, rotational, dynamic load, vertical and horizontal movements.
• Neoprene Extruded Material	Highly resistant to most chemicals, oil, and puncture resistant.



RECOMMENDED FOR:

- Sealing joints on bridges, pedestrian walkways and tunnels.
- Expansion joints requiring multi-directional movement
- Linear, angular, or circular expansion joint applications

DESCRIPTION:

Jeene® is a structural sealing joint system comprised of a neoprene profile, which is air-pressurized and bonded in place with a specially formulated epoxy adhesive. When properly installed, the high performance Jeene® joint system will not tear away, protrude out of, or slip from its original position when exposed to repeated mechanical or thermal movements. Complete adhesion of the epoxy to the profile and joint wall is achieved due to the air inflation during installation. Jeene® is the most durable, versatile, and watertight expansion joint in the industry.

PACKAGING/COVERAGE:

- Jeene® seal can be cut to length and palletized per limitations of required shipping methods. Jeene® accessories are shipped in cardboard cartons. Appropriate amounts of all components are provided with lineal footage ordered.
- Wabo®Paste Adhesive (warm weather) (50^{0}F and rising)
  - Part A – 32 oz container
  - Part B – 16 oz container
- Wabo®Paste Adhesive (cold weather) (40^0 to 50^{0}F)
  - Part A – 32 oz container
  - Part B – 32 oz container
- Wabo®Conditioning Agent
  - 1 qt container
- Wabo®Concrete Cleaner
  - 1 qt container

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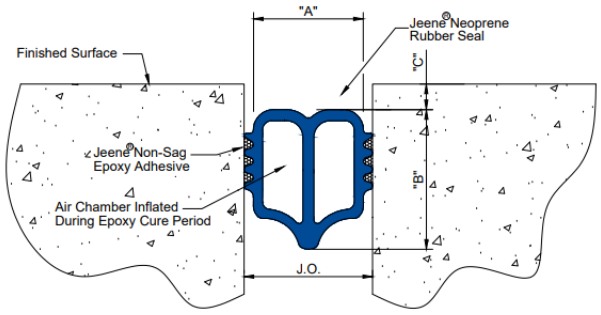
Description	Max Pc Length	Packaging
W Series		
JEENE 25W	2000	Pallet
JEENE 40W	1000	Pallet
JEENE 50W	1000	Pallet
JEENE 65W	500	Pallet
JEENE 75W	500	Pallet
JEENE 100W	250	Pallet
FW Series		
JEENE 25FW	2000	Pallet
JEENE 40FW	1000	Pallet
JEENE 50FW	750	Pallet
JEENE 65FW	500	Pallet
JEENE 75FW	500	Pallet
JEENE 100FW	250	Pallet
JEENE 125FW	100	REEL

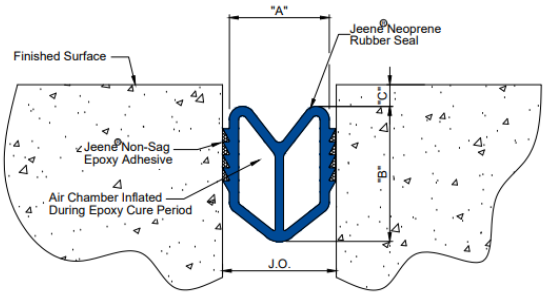
TECHNICAL DATA:

Design Information:

The Jeene® W Series provides +/- 50% movement, while also allowing for multi-directional movement. The Jeene® FW Series is ADA compliant and provides +/- 35% movement. Jeene® will conform to vertical and horizontal directional changes, T-intersections, and varied joint opening dimensions.



"FW" PROFILE
SLAB-TO-SLAB CONDITION



"W" PROFILE
SLAB-TO-SLAB CONDITION

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Movement Table

( ) - Denotes Millimeters

Nominal Relaxed Dimensions			Movement Range			
Model	"A"	"B"	J.O. Min.	"C"	J.O. Max.	Total Movement
25FW	1"(25)	1 1/4"(32)	11/16"(17)	1/4"(6)	1 5/16"(34)	5/8"(16)
40FW	1-5/8"(41)	2"(51)	1"(25)	1/4"(6)	2"(51)	1"(25)
50FW	2"(51)	2-1/2"(64)	1-3/8"(35)	1/4"(6)	2-5/8"(66)	1-1/4"(32)
65FW	2-1/2"(64)	3 1/4"(82)	1-5/8"(41)	1/4"(6)	3-3/8"(86)	1-3/4"(44)
75FW	3"(76)	3 3/4"(95)	2"(51)	1/4"(6)	4"(102)	2"(51)
100FW	3 7/8"(100)	5"(127)	2-11/16"(68)	1/4"(6)	5-5/16"(135)	2-5/8"(67)
125FW	5"(127)	6 1/8"(155)	3-3/8"(86)	1/4"(6)	6-5/8"(168)	3-1/4"(83)

PHYSICAL PROPERTIES:

Jeene Seal

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 Low Temperature Stiffening	D 2240	 65 +/- 5 0 to +15
Oven Aging, 70 hrs. @ 212ºF(100ºC) Tensile, max loss Elongation, max loss Change in Hardness	D 573	 20% 20% 0 to 10 pts.
Oil Swell, 70 hrs. @ 212ºF(100ºC) Weight Change, max	D 471	 45%
Ozone Resistance, 20% Strain, 3PPM in Air 70 hrs. @ 104ºF(40ºC)	D 1149	no cracks
Low Temperature Stiffening	D 2240	0 to +15

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Wabo®Paste Adhesive

PHYSICAL PROPERTY	ASTM TEST METHOD	REQUIREMENTS
Tensile Strength	D 638	3500 to 4000 psi min
Axial Compression	D 695	8000 psi min
Pot Life	D 2471	40 minutes min @ 77°F (25°C)
Flash Point	D 56	> 150°F (65.5°C)
Tensile Strength, 24 hr	ASTM D638	3000 psi min
Axial Compression, 24 hr	ASTM D695	6500 psi, min

APPLICATION:

INSTALLATION SUMMARY:

- **Newly placed concrete**: the 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 (minimum of 14 days).
- **Aged concrete**: loose, contaminated, weak, spalled, deteriorated and/or delaminated concrete must be removed to sound concrete and repaired prior to placement.
- **Wabocrete II:** Fully cured, must be sandblasted to remove sheen from surface in joint opening
- **Steel**: steel substrates should be sound, steel surfaces must be abrasive blasted SP-10 near white, immediately prior to installation.
- **Galvanized Steel:** wipe with clean white cotton rag and concrete cleaner (denatured alcohol) continue to wipe until surface is clean.
- Follow instruction outline in the Installation Guide

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.
- 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 chemical 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.
- Do not install when surface temperature is less than 40˚F (4˚C).
- Shelf life of chemical components is approximately 1 year.

  Recommend to inspect system every 6 months, and repair as needed.
- 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.

OPTIONS/EQUIPMENT:

- Compressor/Vacuum Pump (Grainger Model: 4Z024)
- Dremel tool
- Wabo®Gel Adhesive is a 1:1 mix and available in standard 50.72 dual cartridge kit. Requires dual component pneumatic caulking gun
- Small drill and mixing paddle for epoxy

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RELATED DOCUMENTS:

- Material Safety Data Sheets
- Jeene Specification
- Jeene Sales Drawings
- Jeene Installation Procedure
- Jeene Fact Sheet

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.

Jeene_0825

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