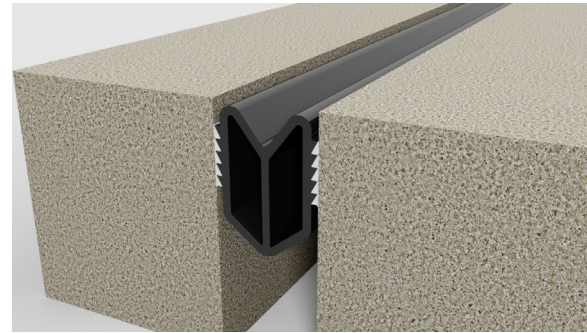


# Jeene®

Multi-Directional Structural Sealing Joint System

| Features  | Benefits  |
|---|---|
| <ul style="list-style-type: none"> <li>• Unique Design</li> </ul>               | Assures that profile will not protrude above surface level; minimizes dirt or debris accumulation. Ribs on sides of profile assure greater adhesion                             |
| <ul style="list-style-type: none"> <li>• Air Inflation Process</li> </ul>       | Process allows for maximum bonding of epoxy adhesive to the profile and joint wall, unlike traditional conventional compression technology which requires over sizing of seals. |
| <ul style="list-style-type: none"> <li>• Versatile Movement Capacity</li> </ul> | Allows free movement of structure in any direction without joint failure. Can take skew, rotational, dynamic load, vertical and horizontal movements.                           |
| <ul style="list-style-type: none"> <li>• Neoprene Extruded Material</li> </ul>  | Does not lose memory (resiliency) over time. Highly resistant to most chemicals, oil, and puncture resistant.   |



## RECOMMENDED FOR:

- Sealing joints on bridges, tunnels, parking decks, stadiums, buildings, reservoirs, and waste water treatment facilities.
- Expansion joints requiring multi-directional movement
- Linear, angular, or circular expansion joint applications

## PACKAGING/COVERAGE:

- Jeene® seal is cut to length and boxed 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)
  - Part A – 32 oz container
  - Part B – 16 oz container
- Wabo® Paste Adhesive (cold weather)
  - Part A – 32 oz container
  - Part B – 32 oz container
- Wabo® Conditioning Agent
  - 1 qt can
- Wabo® Concrete Cleaner
  - 1 qt can

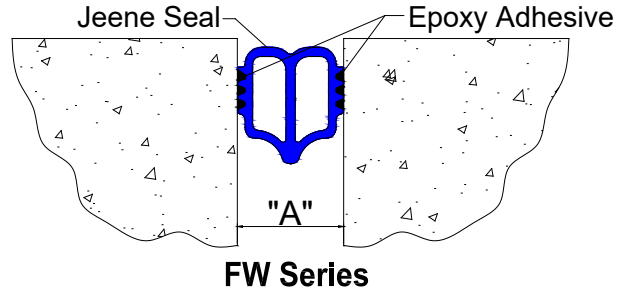
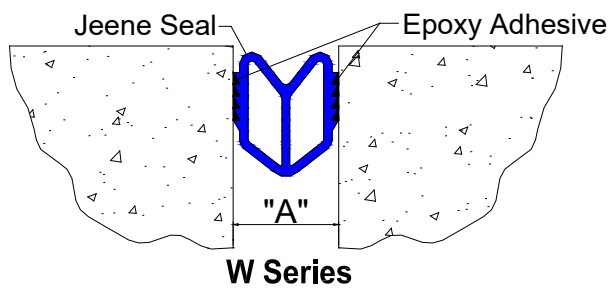
## DESCRIPTION:

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, cost-effective, and watertight expansion joint in the industry.

**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.



**Movement Table**

| Model Number | Required Joint Gap* |     |       |     | Horizontal Movement Range "A" |    |       |     |       |    |
|--------------|---------------------|-----|-------|-----|-------------------------------|----|-------|-----|-------|----|
|              | Width               |     | Depth |     | Min.                          |    | Max.  |     | Total |    |
|              | in                  | mm  | in    | mm  | in                            | mm | in    | mm  | in    | mm |
| 25W          | 1.000               | 25  | 2.000 | 51  | 0.500                         | 13 | 1.500 | 38  | 1.000 | 25 |
| 40W          | 1.625               | 41  | 2.750 | 70  | 0.750                         | 19 | 2.375 | 60  | 1.625 | 41 |
| 50W          | 2.000               | 51  | 3.125 | 79  | 1.000                         | 25 | 3.000 | 76  | 2.000 | 51 |
| 65W          | 2.500               | 64  | 4.125 | 105 | 1.250                         | 32 | 3.875 | 98  | 2.625 | 67 |
| 75W          | 3.000               | 76  | 5.375 | 137 | 1.500                         | 38 | 4.500 | 114 | 3.000 | 76 |
| 100W         | 3.875               | 98  | 5.500 | 140 | 2.000                         | 51 | 5.875 | 149 | 3.875 | 98 |
| 25FW         | 1.000               | 25  | 2.000 | 51  | 0.625                         | 16 | 1.375 | 35  | 0.750 | 19 |
| 40FW         | 1.625               | 41  | 3.000 | 76  | 1.000                         | 25 | 2.125 | 54  | 1.125 | 29 |
| 50FW         | 2.000               | 51  | 3.500 | 89  | 1.375                         | 35 | 2.625 | 67  | 1.250 | 32 |
| 65FW         | 2.500               | 64  | 4.375 | 111 | 1.750                         | 44 | 3.375 | 86  | 1.625 | 41 |
| 75FW         | 3.000               | 76  | 4.750 | 121 | 2.000                         | 51 | 3.875 | 98  | 1.875 | 48 |
| 100FW        | 3.875               | 98  | 5.875 | 149 | 2.625                         | 67 | 5.250 | 133 | 2.625 | 67 |
| 125FW        | 5.000               | 127 | 7.000 | 178 | 3.375                         | 86 | 6.625 | 168 | 3.250 | 83 |

Note: \* - Width measurements represent the maximum concrete gap width at time of installation. Depth measurements represent the minimum recommended concrete depth. All measurements have been converted from metric and rounded to nearest 1/8".



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

**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.
- **Steel:** steel substrates should be sound, steel surfaces must be abrasive blasted SP-10 near white, 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).
- Measure and cut to exact length needed for continuous joint, being careful not to pull or stretch the seal. Measure the joint opening width. The nominal width of the seal should never be less than the joint opening at time of installation. The system can NOT be installed in tension.
- Attached the end caps onto each open end of the Jeene system. Install the air valve assembly.
- Clean the ribbed area of the seal with a wire brush. Apply WaboConditioning agent to the ribbed area and scrub with a nylon brush. Repeat application of WaboConditioning agent and brush clean.
- Clean concrete substrates with WaboConcrete Cleaner. Use a clean and dry rag to wipe the sidewalls of the joint opening.
- Mix WaboPaste Adhesive components A and B in a separate clean and dry container. Apply mixed WaboPaste Adhesive by brush, trowel, or caulking gun. Apply adhesive to coat the sidewall of the seal's ribbed area and the sidewalls of the joint opening.
- The seal should be installed 1/8" below the finished surface and should never protrude above the joint edge. Inflate the Jeene system to approximately 15psi. Decrease the pressure if the seal begins to rise out of the joint opening.
- Maintain air pressure in the system until the WaboPaste Adhesive cures (approximately 24 hours).

### 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.
- 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](http://www.watsonbowmanacme.com)) or contact a customer service representative.



#### **OPTIONS/EQUIPMENT:**

- Air pump, contact WBA for recommendations
- Electric grinder and ½" drill with mixing paddle
- Jeene miter Box and tool box, contact WBA for details

#### **RELATED DOCUMENTS:**

- Material Safety Data Sheets
- Jeene Specification
- Jeene Sales Drawings
- Jeene 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.

**Jeene\_0321**