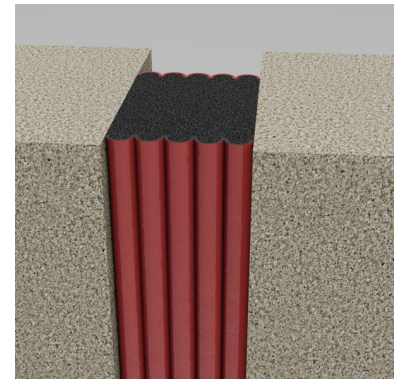


# Wabo®FireShield FSV

Fire-Retardant Impregnated Pre-Compressed Foam Vertical Expansion Joint System

Features	Benefits
<ul style="list-style-type: none"> <li>• Fire-Rated</li> </ul>	2 hr or 3 hr fire rating in accordance with UL-2079
<ul style="list-style-type: none"> <li>• Sound Attenuation</li> </ul>	Minimizes sound transfer
<ul style="list-style-type: none"> <li>• Ease of installation</li> </ul>	No mechanical anchors needed to install system. Saves time and labor.
<ul style="list-style-type: none"> <li>• Generous Movement Capability</li> </ul>	Can accommodate structural movement up to +/-50% and excellent for thin wall applications.



## DESCRIPTION:

Wabo®FireShield FSV is a second generation unified fire rated, sound, UV stable, thermal and waterproof sealant system. It features waterproof silicone faces on each side of a fire-retardant impregnated foam sealant without the need for additional set of intumescent bellows. This fire-retardant impregnated foam does not rely on the silicone face or an intumescent coating to provide its fire rating.

Although designed to be used alone, it can also be installed behind any other metallic or elastomeric expansion joint system. With both sides coated, it may be placed with either side exposed to view, adding to the versatility and increasing the aesthetic fireproof sealing options. The silicone finish enhances the waterproofing nature of the product and provides an aesthetic finish. Wabo®FireShield FSV also has the ability to handle variations in joint size through incremental sizing. There is no drilling or modifying of the substrate required for installation.

## RECOMMENDED FOR:

- All Interior and Exterior vertical expansion joint applications
- For use in various construction projects including:
  - Health-Care
  - Transportation
  - Recreation
  - Retail
  - Commercial
  - Educational
  - Parking Garage
  - Water Treatment Facilities
  - Stadium

## PACKAGING/COVERAGE:

- Shipped in nominal standard lengths of 6.5 LF (2meters).
- Epoxy adhesive supplied as part of the system.
- Silicone sealant and intumescent sealant for unions only.
- Silicone faces: multiple colors and custom colors available.
- Pick resistant option: available in off-white/gray color.



## TECHNICAL DATA:

### Design Information

Wabo®FireShield FSV is permanently resilient and will expand and contract with the movement of the joint under any weather condition. This expansion joint system is made from a monolithic piece of foam, and will not delaminate like multi-layer products.

- Wabo®FireShield FSV has been tested and certified under UL 2079 & ULC-S115. It meets the requirements of ASTM E1966, ASTM E119 and ASTM E1399. UL 2079, like ASTM E1966, was developed to encompass the fire testing of ASTM E119 and movement cycling regime of ASTM E1399.
- It is also tested to ASTM E283, 330, 331 & 547 to confirm its sealing capabilities through its entire stated movement range. ASTM E90 testing has been completed to verify the sound attenuating properties of the system (test results available upon request).
- Movement Capability: +/-25% (50% total) or +/-50% (100% total) of the nominal material size, depending on the material selected.



Table 'A' (+/- 25% Movement)

Size when ordering @ Mean Temperature										Part Number for Ordering (25% mvmt) GRAY P/N's LISTED (other colors avail.)	
"A" @ Mid.		Joint Opening "A"						System Depth "B"		2hr Rated @ 25% mvmt Coated Both Sides	3hr Rated @ 25% mvmt Coated Both Sides
Nominal Install J.O.		Min.		Max.		Total Mov.				GRAY	GRAY
in	mm	in	mm	in	mm	in	mm	in	mm		
0.50	13	0.38	10	0.63	16	0.25	6	4.00	102	FSV 60101	FSV 60279
1.00	25	0.75	19	1.25	32	0.50	13	4.00	102	FSV 60119	FSV 60285
1.50	40	1.13	29	1.88	48	0.75	19	4.00	102	FSV 60131	FSV 60287
2.00	50	1.50	38	2.50	64	1.00	25	4.00	102	FSV 60143	FSV 60289
2.50	65	1.88	48	3.13	80	1.25	32	4.00	102	FSV 60155	FSV 60291
3.00	76	2.25	57	3.75	95	1.50	38	4.00	102	FSV 60167	FSV 60293
3.50	89	2.63	67	4.38	111	1.75	44	4.00	102	FSV 60179	(not avail. in 3.5" size)
4.00	102	3.00	76	5.00	127	2.00	51	4.00	102	FSV 60191	(not avail. in 4.0" size)
4.50	114	3.38	86	5.63	143	2.25	57	4.00	102	FSV 60203	(not avail. in 4.5" size)

Other intermediate sizes are available up to 4.5" wide, contact WBA for details. Contact your WBA Representative with your special design needs.

Table 'B' (+/- 50% Movement)

Size when ordering @ Mean Temperature										Part Number for Ordering (50% mvmt) GRAY P/N's LISTED (other colors avail.)	
"A" @ Mid.		Joint Opening "A"						System Depth "B"		2hr Rated @ 50% mvmt Coated Both Sides	3hr Rated @ 50% mvmt Coated Both Sides
Nominal Install J.O.		Min.		Max.		Total Mov.				GRAY	GRAY
in	mm	in	mm	in	mm	in	mm	in	mm		
0.50	13	0.25	6	0.75	19	0.50	13	4.00	102	FSV 60349	FSV 60247
1.00	25	0.50	13	1.50	38	1.00	25	4.00	102	FSV 60355	FSV 60253
1.50	40	0.75	19	2.25	57	1.50	38	4.00	102	FSV 60357	FSV 60255
2.00	50	1.00	25	3.00	76	2.00	51	4.00	102	FSV 60359	FSV 60257
2.50	65	1.25	32	3.75	95	2.50	64	4.00	102	FSV 60361	FSV 60259
3.00	76	1.50	38	4.50	114	3.00	76	4.00	102	FSV 60363	FSV 60261
3.50	89	1.75	44	5.25	133	3.50	89	4.00	102	FSV 60534	FSV 60536
4.00	102	2.00	51	6.00	152	4.00	102	4.00	102	FSV 60537	FSV 60538
4.50	114	2.25	57	6.75	171	4.50	114	4.00	102	FSV 60539	FSV 60540
5.00	127	2.50	64	7.50	191	5.00	127	4.00	102	FSV 60541	FSV 60542
5.50	140	2.75	70	8.25	210	5.50	140	4.00	102	FSV 60543	FSV 60544
6.00	152	3.00	76	9.00	229	6.00	152	4.00	102	FSV 60545	FSV 60546

Other intermediate sizes are available up to 4.5" wide, contact WBA for details. Contact your WBA Representative with your special design needs.

**APPLICATION:**

**INSTALLATION SUMMARY:**

- Manufactured in 6.5LF (2M) sticks which can be joined in the field to optional factory fabricated 90° factory transitions. These factory fabricated 90° units can be coated on both sides with the silicone coating allowing them to be installed as an upturn or downturn transition.
- Custom sizes are available to meet actual field conditions. Transitions end in an uncoated 90° miter to be adhered to another transition piece as used in walls-to-decks, treads and risers, parapets, curbs and other applications.
- In addition to guaranteeing watertightness, 90 degree transitions can sometimes allow for much faster and secure installation by eliminating field cutting at angles.
- Can be installed facing out from an exterior or interior wall and maintain its two hour fire-rating.

**FOR BEST RESULTS:**

- Surfaces to be sealed must be sound, dry, clean and free of oil, grease, laitance, rust and other foreign material.
- Remove dirt and other loose particles.
- Do not install if the joint's anticipated movement will exceed the seal's movement range.
- Complete installation information is supplied with material and is also available from Watson Bowman Acme.
- 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.
- Proper application is the responsibility of the user. Field visits by Watson Bowman Acme are available upon request.



#### **OPTIONS:**

- Single Sided
- Double Sided
- Uncoated
- Pick Resistant Coating
- Custom colors are available
- Custom intermediate sizes are available

#### **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.

### **WaboFireShield FSV\_0321**