



# MM<sup>®</sup> Pyro-Flex Foam Series

## Fire Rated Foam Seal Expansion Joint Systems

SPECIALTY DATA

MM Systems Corporation • 50 MM Way, Pendergrass, GA 30567 • 800.241.3460 • www.mm-usa.com

### DESCRIPTION

Pyro-Flex Fire Rated Foam Seals are engineered as a fire resistive system for sealing horizontal and vertical expansion joint openings. Any type of sealant can be factory applied to the MM Systems fire rated foam block. When combined with a high-performance bellows style silicone face seal, a monolithic 2 or 3 hour fire rated, pick resistant and waterproof sealing system is created. System is UV stable, sound attenuating, flame resistant, chemical resistant, and thermal insulating.

### BASIC USE

Pyro-Flex Fire Rated Foam Seals are designed for sealing any expansion joint that measures 1/2" (12mm) or larger. The outstanding physical properties allows for a fire rated watertight seal in a wide variety of architectural and structural applications – concrete, brick, block, EFIS, window-walls, metal panels and the like.

### FEATURES

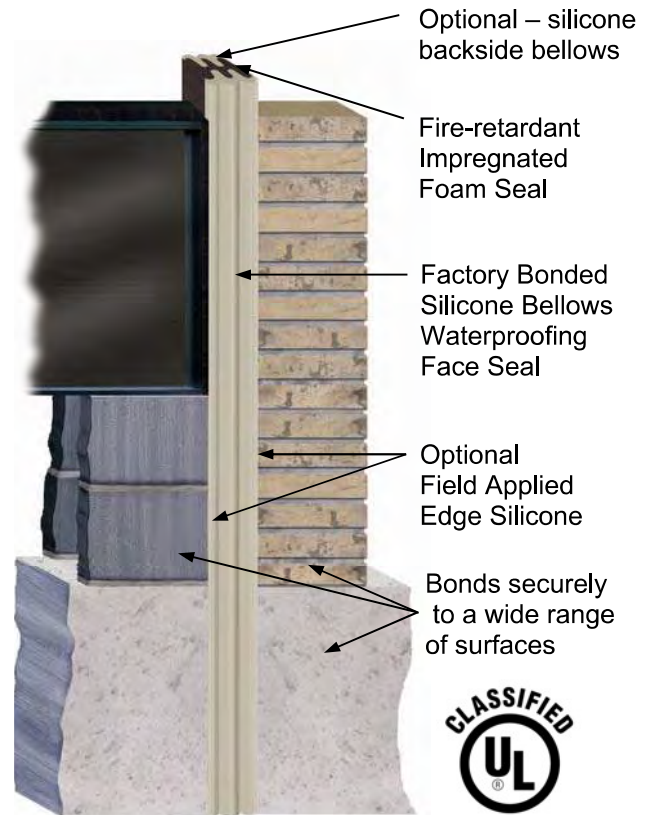
- ± 50% movement capability.
- Does not rely on the silicone surface seal or intumescent bellows to provide fire rating.
- Epoxy sidewall adhesive used on horizontal floor applications eliminates the need for fasteners.
- Conforms to irregular structural openings.
- Waterproof silicone face seal offers a wide range of aesthetic color options.
- Can be installed with either side exposed when each side receives the silicone face seal.
- Provides interior air, vapor, dust, acoustical, thermal, and ASTM E90 sound transfer control.
- Resistant to UV, ozone, acid rain, wind driven rain and extreme temperatures.

### PERFORMANCE STANDARDS

- UL 2079                      ASTM E547
- ASTM E-119                ASTM E-283
- ASTM E-1966              ASTM E-330
- ASTM E- 1399             ASTM E-331

### CODE COMPLIANCE

- UBC, SBC, BOCA
- International Building Code



### PACKAGING

Pyro-Flex Fire Foam Series Expansion Joints are supplied in 6.67 foot (2 meter) lengths.

Face Sealant & Splice Sealants (when required) are packaged in 20 fl.oz. (592 ml) sausages or 10.3 fl.oz. (305-ml) cartridges.

### STORAGE

All materials should be stored off the ground in a cool, dry location 70-80°F (20-27°C) for a minimum of 24 hours prior to installation regardless of the temperature at installation location.

### PRECAUTIONS

Use with adequate ventilation. Uncured sealant may cause skin and eye irritation. In case of eye contact, immediately flush with water. Avoid prolonged or repeated skin contact. Read and follow labels and Material Safety Data Sheet before use.

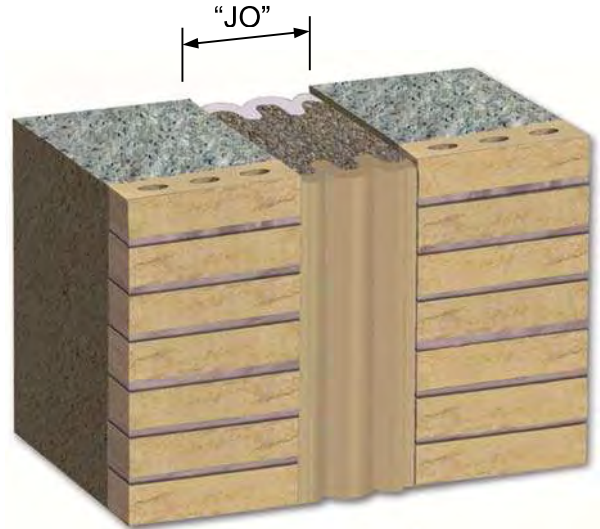
### COLOR OPTIONS

Available in UV stable White or Limestone.

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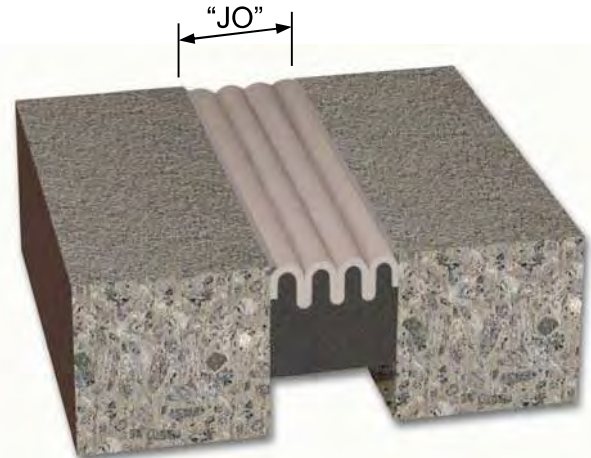
## SIF-FR SERIES SELECTION GUIDE (+/- 50% Movement)

Model Number	Total Movement		Joint Opening "JO"				Seal Depth "B"			
			Minimum	Nominal	Maximum					
SIF-FR-050-2	<b>0.50</b>	13	<b>0.250</b>	6	<b>0.50</b>	13	<b>0.75</b>	19	<b>4.00</b>	102
SIF-FR-063-2	<b>0.63</b>	16	<b>0.312</b>	8	<b>0.63</b>	16	<b>0.9375</b>	24	<b>4.00</b>	102
SIF-FR-075-2	<b>0.75</b>	19	<b>0.375</b>	10	<b>0.75</b>	19	<b>1.125</b>	29	<b>4.00</b>	102
SIF-FR-100-2	<b>1.00</b>	25	<b>0.500</b>	25	<b>1.00</b>	25	<b>1.500</b>	38	<b>4.00</b>	102
SIF-FR-125-2	<b>1.25</b>	32	<b>0.625</b>	16	<b>1.25</b>	32	<b>1.875</b>	48	<b>4.00</b>	102
SIF-FR-150-2	<b>1.50</b>	38	<b>0.750</b>	19	<b>1.50</b>	38	<b>2.250</b>	57	<b>4.00</b>	102
SIF-FR-175-2	<b>1.75</b>	44	<b>0.875</b>	22	<b>1.75</b>	44	<b>2.625</b>	67	<b>4.00</b>	102
SIF-FR-200-2	<b>2.00</b>	51	<b>1.000</b>	25	<b>2.00</b>	51	<b>3.00</b>	76	<b>4.00</b>	102
SIF-FR-225-2	<b>2.25</b>	57	<b>1.125</b>	28	<b>2.25</b>	57	<b>3.375</b>	86	<b>4.00</b>	102
SIF-FR-250-2	<b>2.50</b>	64	<b>1.250</b>	32	<b>2.50</b>	64	<b>3.750</b>	95	<b>4.00</b>	102
SIF-FR-275-2	<b>2.78</b>	70	<b>1.375</b>	35	<b>2.75</b>	70	<b>4.125</b>	105	<b>4.00</b>	102
SIF-FR-300-2	<b>3.00</b>	76	<b>1.500</b>	38	<b>3.00</b>	76	<b>4.500</b>	114	<b>4.00</b>	102
SIF-FR-325-2	<b>3.25</b>	83	<b>1.562</b>	41	<b>3.25</b>	83	<b>4.812</b>	122	<b>4.00</b>	102
SIF-FR-350-2	<b>3.50</b>	89	<b>1.750</b>	44	<b>3.50</b>	89	<b>5.250</b>	133	<b>4.00</b>	102
SIF-FR-375-2	<b>3.75</b>	95	<b>1.875</b>	48	<b>3.75</b>	95	<b>5.625</b>	143	<b>4.00</b>	102
SIF-FR-400-2	<b>4.00</b>	102	<b>2.00</b>	51	<b>4.00</b>	102	<b>6.00</b>	152	<b>4.00</b>	102
SIF-FR-425-2	<b>4.25</b>	108	<b>2.125</b>	54	<b>4.25</b>	108	<b>6.375</b>	162	<b>4.00</b>	102
SIF-FR-450-2	<b>4.50</b>	114	<b>2.25</b>	58	<b>4.50</b>	114	<b>6.75</b>	172	<b>4.00</b>	102



### SIF-FR Vertical Series

- 2 & 3 hour rated / UL-2079
- optional backside silicone available
- vertical wall applications
- +/- 50% expansion & contraction



### EIS-FR Horizontal Series

- 2 & 3 hour rated / UL-2079
- horizontal floor applications
- +/- 50% expansion & contraction
- Cover plates recommended for joints wider than 4-inches

### Pyro-Blok PBN Series

- 2 & 3 hour rated / UL-2079
- foam only (no silicone face sealant)
- wall & floor applications
- +/- 50% expansion & contraction
- used behind or under expansion joints

## EIS-FR SERIES SELECTION GUIDE (+/- 50% Movement)

Model Number	Total Movement		Joint Opening "A"				Seal Depth "B"			
			Minimum	Nominal	Maximum					
EIS-FR-050-2	<b>0.50</b>	13	<b>0.250</b>	6	<b>0.50</b>	13	<b>0.75</b>	19	<b>4.00</b>	102
EIS-FR-063-2	<b>0.63</b>	16	<b>0.312</b>	8	<b>0.63</b>	16	<b>0.9375</b>	24	<b>4.00</b>	102
EIS-FR-075-2	<b>0.75</b>	19	<b>0.375</b>	10	<b>0.75</b>	19	<b>1.125</b>	29	<b>4.00</b>	102
EIS-FR-100-2	<b>1.00</b>	25	<b>0.500</b>	25	<b>1.00</b>	25	<b>1.500</b>	38	<b>4.00</b>	102
EIS-FR-125-2	<b>1.25</b>	32	<b>0.625</b>	16	<b>1.25</b>	32	<b>1.875</b>	48	<b>4.00</b>	102
EIS-FR-150-2	<b>1.50</b>	38	<b>0.750</b>	19	<b>1.50</b>	38	<b>2.250</b>	57	<b>4.00</b>	102
EIS-FR-175-2	<b>1.75</b>	44	<b>0.875</b>	22	<b>1.75</b>	44	<b>2.625</b>	67	<b>4.00</b>	102
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EIS-FR-250-2	<b>2.50</b>	64	<b>1.250</b>	32	<b>2.50</b>	64	<b>3.750</b>	95	<b>4.00</b>	102
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Dimensions shown in inches (bold) and millimeters. Contact MM Systems for other sizes. Model numbers shown are for 2-hour ratings. For 3-hour ratings use -3 after model number.



Spec Data