

GYPSUM BOARD SHOWN,  
CEMENT BOARD, CMU BLOCK  
AND CONCRETE WALL DETAILS  
(APPROVED SUBSTRATES)  
AVAILABLE

SELF-EXPANDING FIRE RATED  
MICRO-CELL FOAM  
(FACTORY PRE-COMPRESSED  
TO LESS THAN NOMINAL)

INTEGRAL SMOKE  
SHIELD

EPOXY SIDEWALL  
ADHESIVE  
(BOTH SIDES)

SILICONE FILLET BEAD  
(USE ON IRREGULAR  
SUBSTRATES)

SINGLE SIDE SILICONE  
SURFACE SEAL  
FACTORY APPLIED  
(AVAILABLE IN  
VARIOUS COLORS)

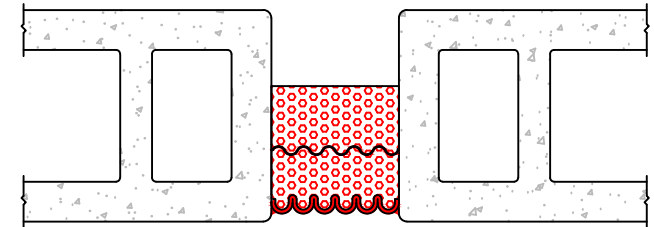


LISTING DESIGN  
(see page 3 chart)

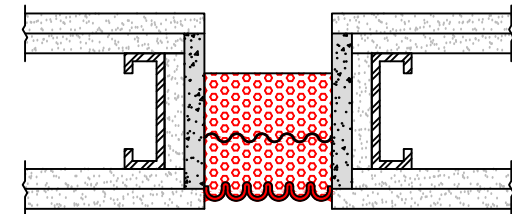
**IMPORTANT LIFE SAFETY PRODUCT NOTE**  
2-HOUR FOAM SEAL FIRE BARRIER MUST BE INSTALLED  
IN A PROPERLY CONSTRUCTED 2-HOUR RATED WALL  
ASSEMBLY WITH A MINIMUM WALL THICKNESS OF  
4.5-INCHES AT THE JOINT FACE. BARRIERS MUST BE  
INSTALLED IN STRICT ACCORDANCE WITH  
MM SYSTEMS PRODUCT INSTALLATION INSTRUCTIONS.  
CONTRACTOR MUST VERIFY PRIOR TO FABRICATION.

**SIF-FR-2S Series  
2 Hour Fire Rated Expansion Joint  
Wall-to-Wall (Single Side Silicone)**

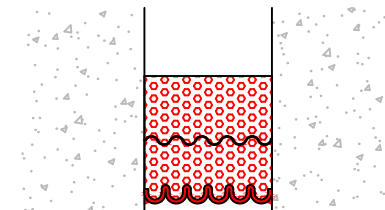
**APPROVED SUBSTRATES**



**CMU BLOCK**



**CEMENT BOARD**



**CONCRETE WALL**



50 MM WAY  
PENDERGRASS, GA. 30567  
706-824-7500 PHONE  
800-241-3460 TOLL FREE  
706-824-7501 FAX

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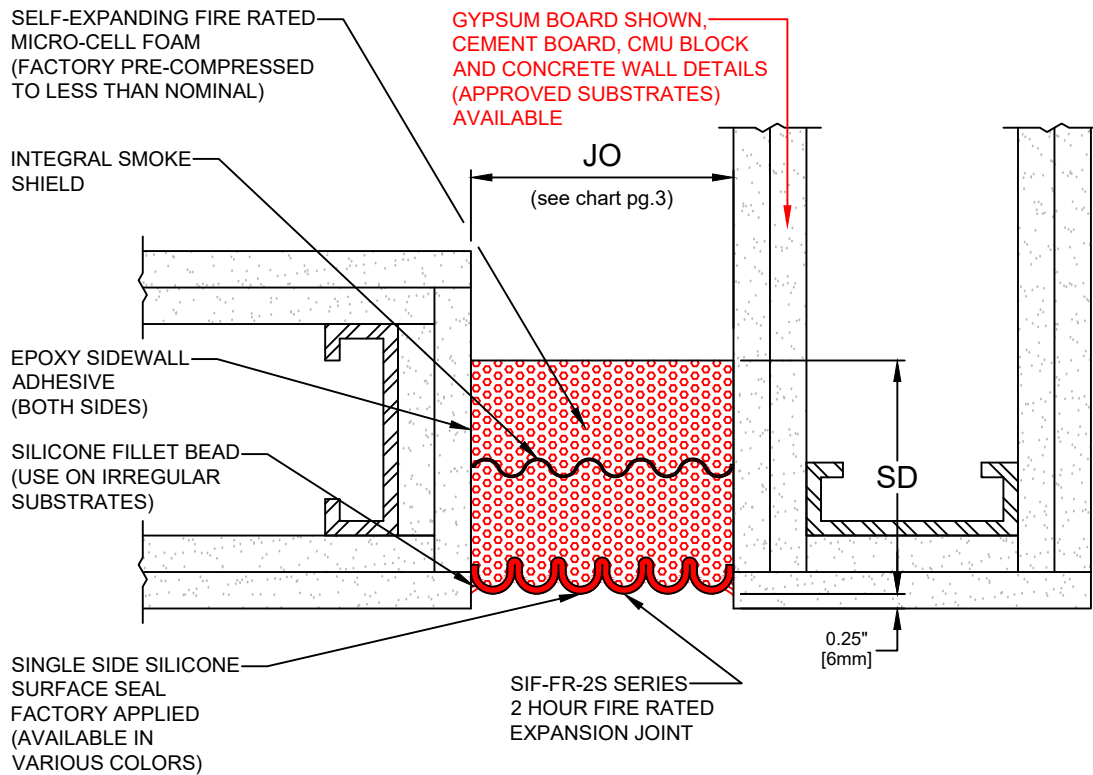
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**Silicone Impregnated Foam - 2 Hour Fire Rated Expansion Joint**

**SIF-FR-2S Series**

Drawn by: MVP	Scale: NTS	Drawing Number:
SHT. 1 OF 3	Issue Date: 11/20/2020	30752-01



GYPSUM BOARD SHOWN,  
CEMENT BOARD, CMU BLOCK  
AND CONCRETE WALL DETAILS  
(APPROVED SUBSTRATES)  
AVAILABLE

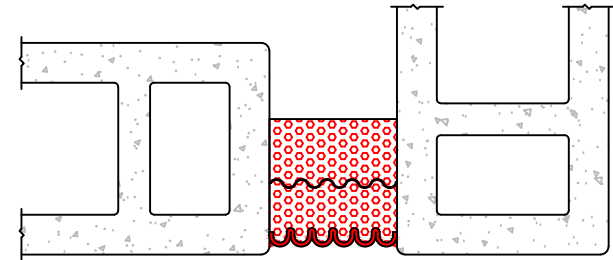


LISTING DESIGN  
(see page 3 chart)

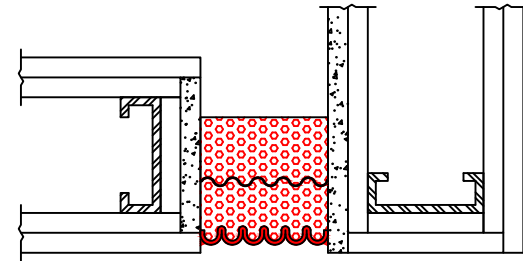
**IMPORTANT LIFE SAFETY PRODUCT NOTE**  
2-HOUR FOAM SEAL FIRE BARRIER MUST BE INSTALLED IN A PROPERLY CONSTRUCTED 2-HOUR RATED WALL ASSEMBLY WITH A MINIMUM WALL THICKNESS OF 4.5-INCHES AT THE JOINT FACE. BARRIERS MUST BE INSTALLED IN STRICT ACCORDANCE WITH MM SYSTEMS PRODUCT INSTALLATION INSTRUCTIONS. CONTRACTOR MUST VERIFY PRIOR TO FABRICATION.

**SIF-FR-2S Series  
2 Hour Fire Rated Expansion Joint  
Wall-to-Corner (Single Side Silicone)**

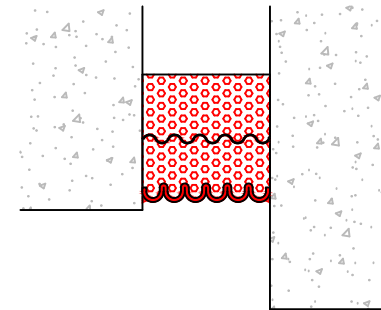
**APPROVED SUBSTRATES**



**CMU BLOCK**



**CEMENT BOARD**



**CONCRETE WALL**



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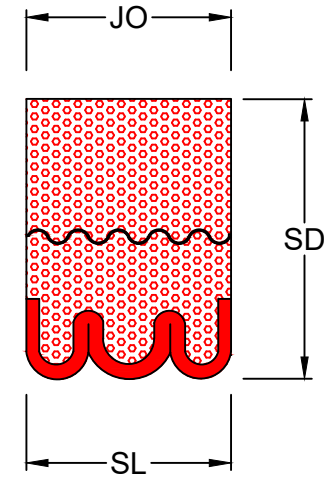
**Silicone Impregnated Foam - 2 Hour Fire Rated Expansion Joint**

**SIF-FR-2S Series**

Drawn by: MVP	Scale: NTS	Drawing Number:
SHT. 2 OF 3	Issue Date: 11/20/2020	30752-02

## (SIF-FR-2S) FIRE RATED SERIES EXPANSION JOINT MOVEMENT CHART

Model Number	UL Listing	Joint Opening (JO <sup>N</sup> )		Thermal / Seismic Movement (JO <sup>T</sup> )				Total (JO <sup>A</sup> )		Lateral Shear		Vertical Displacement		Seal Depth (SD)	
		Nominal		Minimum		Maximum		Movement							
SIF-FR-050-2S	WW-D-0253	<b>0.50</b>	13	<b>0.250</b>	6	<b>0.750</b>	19	<b>0.50</b>	13	<b>0.50</b>	13	<b>0.50</b>	13	<b>4.00</b>	102
SIF-FR-063-2S	WW-D-0253	<b>0.63</b>	16	<b>0.315</b>	8	<b>0.945</b>	24	<b>0.63</b>	16	<b>0.63</b>	16	<b>0.63</b>	16	<b>4.00</b>	102
SIF-FR-075-2S	WW-D-0253	<b>0.75</b>	19	<b>0.375</b>	10	<b>1.125</b>	29	<b>0.75</b>	19	<b>0.75</b>	19	<b>0.75</b>	19	<b>4.00</b>	102
SIF-FR-100-2S	WW-D-0253	<b>1.00</b>	25	<b>0.500</b>	13	<b>1.500</b>	38	<b>1.00</b>	25	<b>1.00</b>	25	<b>1.00</b>	25	<b>4.00</b>	102
SIF-FR-125-2S	WW-D-0253	<b>1.25</b>	32	<b>0.625</b>	16	<b>1.875</b>	48	<b>1.25</b>	32	<b>1.25</b>	32	<b>1.25</b>	32	<b>4.00</b>	102
SIF-FR-150-2S	WW-D-0253	<b>1.50</b>	38	<b>0.750</b>	19	<b>2.250</b>	57	<b>1.50</b>	38	<b>1.50</b>	38	<b>1.50</b>	38	<b>4.00</b>	102
SIF-FR-175-2S	WW-D-0253	<b>1.75</b>	44	<b>0.875</b>	22	<b>2.625</b>	67	<b>1.75</b>	44	<b>1.75</b>	44	<b>1.75</b>	44	<b>4.00</b>	102
SIF-FR-200-2S	WW-D-1228	<b>2.00</b>	51	<b>1.000</b>	25	<b>3.000</b>	76	<b>2.00</b>	51	<b>2.00</b>	51	<b>2.00</b>	51	<b>4.00</b>	102
SIF-FR-225-2S	WW-D-1228	<b>2.25</b>	57	<b>1.125</b>	29	<b>3.375</b>	86	<b>2.25</b>	57	<b>2.25</b>	57	<b>2.25</b>	57	<b>4.00</b>	102
SIF-FR-250-2S	WW-D-1228	<b>2.50</b>	64	<b>1.250</b>	32	<b>3.750</b>	95	<b>2.50</b>	64	<b>2.50</b>	64	<b>2.50</b>	64	<b>4.00</b>	102
SIF-FR-275-2S	WW-D-1228	<b>2.75</b>	70	<b>1.375</b>	35	<b>4.125</b>	105	<b>2.75</b>	70	<b>2.75</b>	70	<b>2.75</b>	70	<b>4.00</b>	102
SIF-FR-300-2S	WW-D-1228	<b>3.00</b>	76	<b>1.500</b>	38	<b>4.500</b>	114	<b>3.00</b>	76	<b>3.00</b>	76	<b>3.00</b>	76	<b>4.00</b>	102
SIF-FR-325-2S*	WW-D-1230	<b>3.25</b>	83	<b>1.625</b>	41	<b>4.875</b>	124	<b>3.25</b>	83	<b>3.25</b>	83	<b>3.25</b>	83	<b>4.00</b>	102
SIF-FR-350-2S*	WW-D-1230	<b>3.50</b>	89	<b>1.750</b>	44	<b>5.250</b>	133	<b>3.50</b>	89	<b>3.50</b>	89	<b>3.50</b>	89	<b>4.00</b>	102



SINGLE SIDE  
SILICONE

Dimension shown in **inches (bold)** and millimeters.

Please note that Joint Opening (JO) and Sight Line (SL) are one in the same for the SIF-FR Series.

For sizes 050-300, single side silicone fire rated foam seals can be used in gypsum board, cement board, cmu block and concrete wall applications.

\*For sizes 325-350, single side silicone fire rated foam seals can only be used in concrete wall applications.

[Note: Refer to the SIF-FR-2S AutoCAD file for individual seal drawings.](#)



50 MM WAY  
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## Silicone Impregnated Foam - 2 Hour Fire Rated Expansion Joint SIF-FR-2S Series

Drawn by:  
MVP

Scale:  
NTS

Drawing Number:

SHT. 3 OF 3

Issue Date:  
11/20/2020

30752-03