

EMSHIELD WFR2

Vertical Applications

Watertight by design®

Patent Pending



NEW

Watertight, Energy-Efficient 2-hour Fire-Rated Wall Expansion Joint

EMSHIELD WFR2 is a patent-pending single unit fire-rated expansion joint which provides water protection, sound attenuation, thermal insulation, color coordination, and accommodates structural joint movement. WFR2 (Wall, Fire-Rated 2-Hours) continues the line of breakthrough, multi-function, structural expansion joint materials being released by EMSEAL. WFR2 has been tested and certified by Underwriters Laboratories (UL) to the rigors of ULC and UL 2079.

Fire-retardant impregnated foam is factory pre-coated on both faces with an intumescent fire-proofing material. It is then coated again on both faces with a waterproof silicone coating which is available in choice of colors for each side.

EMSHIELD WFR2 provides a watertight, clean handling, UV stable, non-staining, low-temperature-flexible, high-temperature-stable, watertight, energy-efficient, sound attenuating and fire-rated joint seal in a single installation process. WFR2 is ideal for exterior and interior structural joints where a fire-rating is required or desired.

Movement of $\pm 25\%$ (50% total)

EMSHIELD WFR2 Sizing

Joint Size at Mean T°F	Depth of Seal
Inches (mm)	Inches (mm)
1 (25)	4 (100)
1 1/4 (30)	4 (100)
1 1/2 (40)	4 (100)
1 3/4 (45)	4 (100)
2 (50)	4 (100)
3 (75)	4 (100)
4 (100)	4 (100)
5 (125)	4 (100)
6 (150)	4 (100)

WFR2 sizes are available in 1/4" increments of nominal sizes from 1" to 6". Nominal size is equivalent to joint gap size at mean temperature.

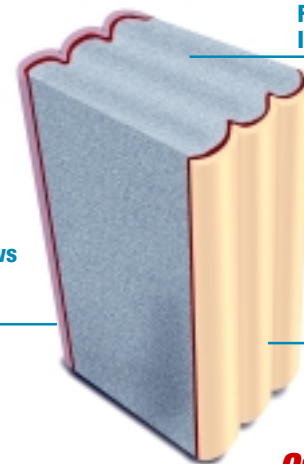


Now Available
**EMSHIELD WFR2
 UNIVERSAL-90's**
 Factory-Fabricated
 Transitions & Terminations

EMSHIELD WFR2

Water / Fire / Energy / Movement

EMSHIELD WFR2



Fire Retardant
 Impregnated Foam

Silicone-Faced
 Intumescent Bellows
 (Shown in an
 alternate color)

Silicone-Faced
 Intumescent Bellows
 (Available in 12
 standard colors)

One Install Does It All

Standard CAD details are available online at www.emseal.com. For application specific CAD details contact EMSEAL directly.

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