Application Sheet

Fi-Foil Flex Foam

Flex Foam is a continuous insulation solution that reduces radiant heat transfer for superior performance and a better alternative to traditional foam board. Flex Foam's Low-e aluminum facing provides better performance to keep buildings cooler in the summer and warmer in the winter for greater efficiency and comfort year-round. Perforated to allow vapor transmission and coated for long term performance and corrosion resistance. Flex Foam provides R 1.6 of continuous insulation and an overall R 4.5 when used with a 3/4" enclosed air space. For additional performance, use Flex Foam as part of a system with Fi-Foil AA2 or M-Shield to achieve an overall R 5.9 and R 6.5 respectively, with 3/4" or 7/8" framing.

Specified In

2021 & 2022 TNAH®

NAHB The New American Home

Features

- 1/2" Closed Cell Polyethylene Foam
- Low-Emittance Reinforced Aluminum Facing
- High Quality Protective Facing in Coated Aluminum
- Continuous Insulation Reduces Thermal Bridging
- Available in 24" 125 SF Rolls or 48" 250 SF Rolls
- 1 Roll of 48" = 8 Sheets of 4' x 8' Foam Board

Benefits

- 1/2" Reflective Insulation
- Provides R 1.6 Continuous Insulation
- Provides R 4.5 Used with 3/4" Enclosed Air Space
- Use Alone or as Part of A Wall Insulation System
- Ideal for Use on Masonry Block Construction
- Perforated to Allow Vapor Transmission
- Reflects 95% of Radiant Heat
- Easy to Install
- Continuous Roll Minimizes Joints Versus 8 Sheets of 4' x 8' Foam Board

612 Bridgers Avenue West
PO Box 800
Auburndale, FL 33823

2021 June

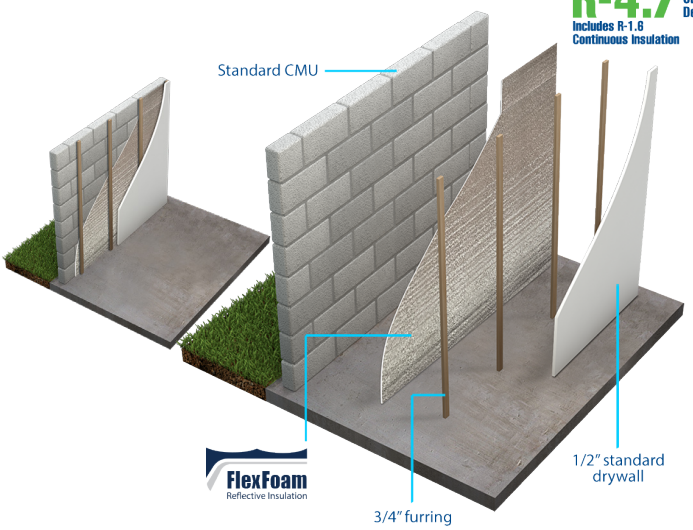
Fifoil.com/flexfoam

COMPARE TO FOAM BOARD

Flex Foam Reflective Insulation on Masonry Walls

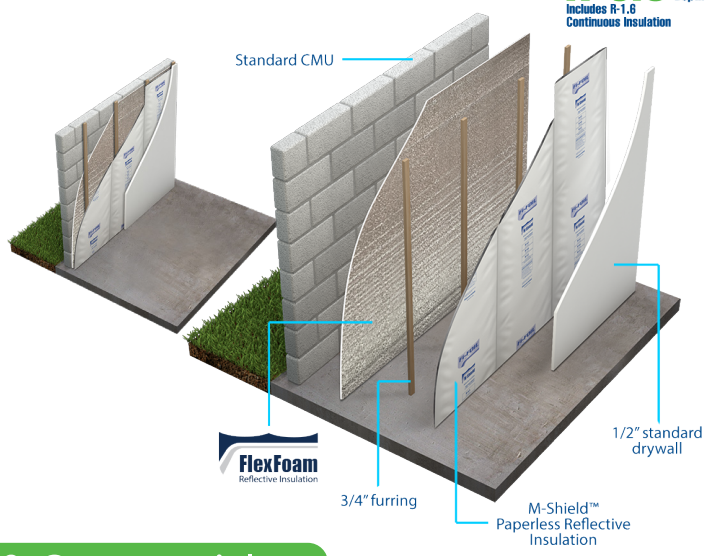
R-4.5 With 3/4" Cavity Depth
Includes R-1.6 Continuous Insulation

R-4.7 With 1-1/2" Cavity Depth
Includes R-1.6 Continuous Insulation



R-5.9 With 3/4" Cavity Depth
Includes R-1.6 Continuous Insulation

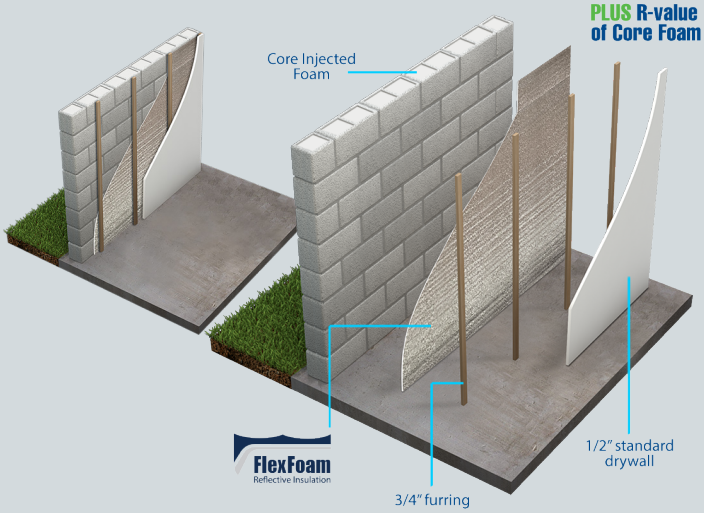
R-6.5 With 7/8" Cavity Depth
Includes R-1.6 Continuous Insulation



*R-values will vary depending on injection foam manufacturer.

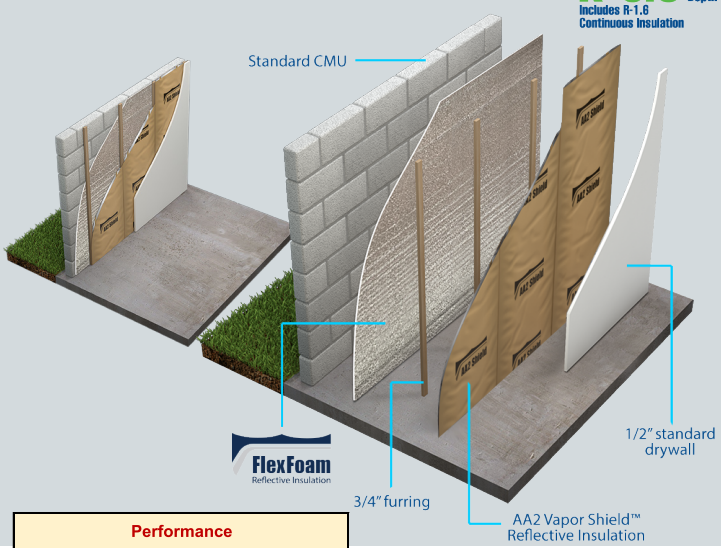
Residential & Commercial

R-4.5 PLUS R-value of Core Foam



R-5.9 With 3/4" Cavity Depth
Includes R-1.6 Continuous Insulation

R-6.5 With 7/8" Cavity Depth
Includes R-1.6 Continuous Insulation



Usage & Performance Chart	Widths	Roll Size	Masonry	Performance: Enclosed Cavity Air Space	Performance: Continuous Insulation R-value	Performance: Total R-value[1]	Performance: U-value
Flex Foam Low-e 1/2" Polyethylene	48" 24"	250 SF 125 SF	X		R 1.6		
Flex Foam + Enclosed Air Space			X	3/4"	R 1.6	**R 4.5**	Contact Us
Flex Foam + Enclosed Air Space			X	1-1/2"	R 1.6	**R 4.7**	Contact Us
Flex Foam Systems that create two (2) or more facing reflective air spaces for additional performance to reduce radiant heat transfer:							
Flex Foam + M Shield or AA2			X	3/4"	R 1.6	**R 5.9**	Contact Us
Flex Foam + M Shield or AA2			X	7/8"	R 1.6	**R 6.5**	Contact Us
Flex Foam + Injected Foam + AA2 (including 1/2" stucco, 8" masonry block, 1/2" drywall)			X	3/4"	R 1.6	**R 5.9+** R-value of Core Foam[2]	**U 0.103**[3]

- Meet Prescriptive Code
- Save Labor
- Increase Sellable Square Footage using 1/2" Flex Foam versus 3/4" Foam Board

1 R-values vary based on enclosed air space, air films, r-value of other insulation used in combination and direction of heat flow; contact us for engineered solutions
2 R-values will vary depending on injection foam manufacturer, add R 5.9 to R-value of the specified core foam for a total r-value for the wall system
3 U-value based on 1/2" stucco, 8" masonry block, 16" OC wood furring, 1/2" drywall, interior air film, exterior air film (Summer)

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REFLECTIVE INSULATION