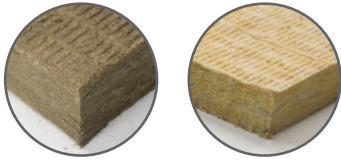


NEW

Rain Screen Insulation RainBarrier™ 30 & RainBarrier™ 45

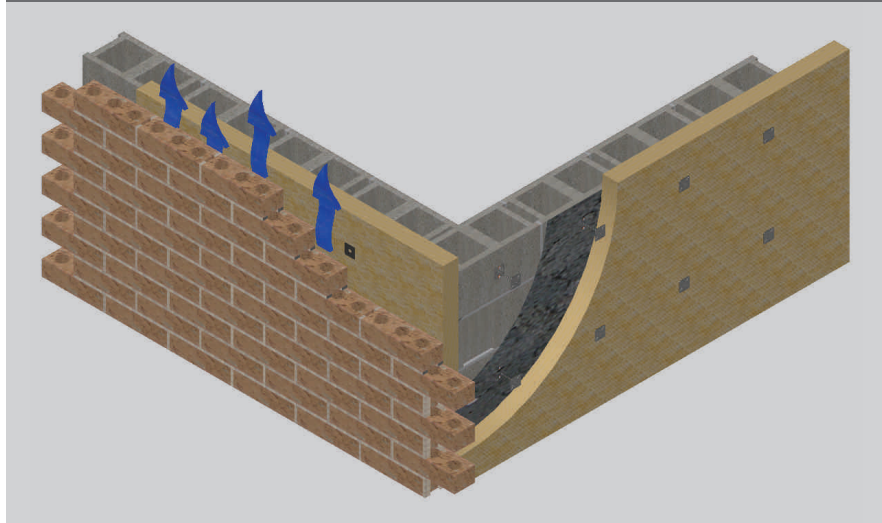
- + Repels and efficiently drains water
- + Highly UV Resistant
- + Non-combustible, non-deteriorating, & inorganic
- + Conserves energy, reduces Greenhouse gas and carbon emissions
- + Fire resistant to temperatures above 2000° F (1,093° C)
- + Highest Available Recycle Content Rain Screen Insulation
- + Controls noise and sound
- + Available in dark and regular colored fibers.



U.S. Green Building Council MEMBER	LEED Green Building Credits			
	Energy & Atmosphere	Recycle Content	Regional Materials	Innovation & Design Process
Up to 90% Recycle Content	1	4.1 4.2	5.1 5.2	1.1 1.2 1.3 1.4
	Earn up to 20 LEED credits across 4 categories.			



Atlantic Terminal Brooklyn, NY, a typical terracotta rain screen high rise building.



RainBarrier insulation illustrated in a masonry finish cavity wall application.

Thermafiber[®]
THE NAME IN MINERAL WOOL™



Thermafiber RainBarrier™ 30 & RainBarrier™ 45 Insulations

Description:

Thermafiber RainBarrier products are designed for exceptional performance in rain screen and cavity wall construction applications. RainBarrier 30 & 45 provide thermal insulation, fire protection, and acoustical control while efficiently draining water from a wall cavity system. RainBarrier products are non-combustible and compatible with common wall ties, adhesives, and air barrier systems.

Product Options:

- RainBarrier 30, 3" or greater thickness, is available with a vapor retarding foil facing.
- RainBarrier 45, 2" or greater thickness, is available with a vapor retarding foil facing.
- Both RainBarrier 30 and 45 are available in dark and regular colored fibers.

Installation:

Thermafiber recommends mechanical attachment of RainBarrier insulation products. Standard insulation pins and washers are recommended, with spacing not to exceed 24" on center.

Standard Sizes:

	Thickness	Widths	Lengths
RainBarrier 30	1½" - 6"	16", 24", 36"	48", 60"
RainBarrier 45	1" - 6"	16", 24", 36"	48", 60"

*Thicknesses are available in ½" increments. Custom sizes are available upon request.

Technical Data:

Product Designation	Actual Density	Tested to ASTM C 518		Tested to ASTM E 84			
		"K" @ 75° [24°C] BTU.in/hr.sq. ft. °F	"R" value per inch of thickness**	Unfaced		Foil Faced	
				Flame Spread	Smoke Developed	Flame Spread	Smoke Developed
RainBarrier 30	3.0 pcf	0.26	'R'= 3.8	0	0	25	0
RainBarrier 45	4.5 pcf	0.24	'R'= 4.2	0	0	25	0

**R = thickness divided by 'k'

Acoustical Performance:

NRC Data	Thickness	Coefficients at Frequencies Per ASTM 423						NRC
		125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	
RainBarrier 30	1-½"	0.22	0.39	0.90	1.03	1.02	1.02	0.85
	2"	0.35	0.63	1.11	1.13	1.07	1.06	1.00
	3"	0.63	1.03	1.26	1.14	1.09	1.09	1.15
	4"	0.95	1.20	1.22	1.11	1.08	1.08	1.15
RainBarrier 45	1-½"	0.22	0.44	0.96	1.06	1.05	1.05	0.90
	2"	0.30	0.69	1.08	1.01	1.00	1.03	0.95
	3"	0.70	1.07	1.24	1.13	1.07	1.08	1.15
	4"	1.03	1.25	1.20	1.05	1.05	1.08	1.15

Standards Compliance:

RainBarrier 30 and 45 meet the following:

ASTM C 665	Non-corrosive, Type I, III
ASTM C 612	RainBarrier 30 Type IA
ASTM C 612	RainBarrier 45 Type IA, IB
ASTM E 136	Rated Non-combustible per NFPA Standard 220
ASTM E 96	Unfaced, 50 Perms as tested
ASTM E 96	Foil Faced, 0.02 Perms as tested
ASTM C 1104	Absorbs 0.03% by volume
ASTM C 356	Linear Shrinkage <2% 1200° F (650° C)

Thermafiber Insolutions™:

Thermafiber offers industry leading technical and engineering assistance to architects, specifiers, and contractors. These services include CAD drawings, engineering judgments, LEED Credit Information, and product recommendations. Contact our technical services department at 1-888-834-2371 x-295, or email technicalservices@thermafiber.com.

For Further Information:

For additional information about these or other Thermafiber products contact us at 1-888-834-2371 or visit our website www.thermafiber.com.

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Submittal Approvals:

Job Name	
Contractor	Date

