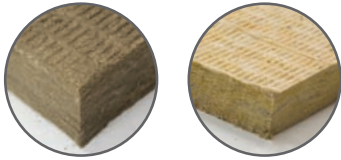



# Continuous Insulation (ci) RainBarrier® 30 & RainBarrier® 45

- + Non-combustible, non-deteriorating, & inorganic
- + Repels and efficiently drains water
- + Highly UV Resistant
- + 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.





**LEED® Green Building Credits**

Energy & Atmosphere	Materials & Resources	Indoor Environmental Quality	Innovation in Design
1	2.1, 2.2 3.1, 3.2 4.1, 4.2 5.1, 5.2	3.1, 3.2 9	1

Contributes to 33 LEED credits across 4 categories.

**Up to 90% Recycled Content**



**Thermafiber®**  
THE NAME IN MINERAL WOOL™



# Thermafiber RainBarrier® 30 & RainBarrier® 45 Insulations

## Description:

Thermafiber RainBarrier/Continuous Insulation 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:

- Both RainBarrier 30 and 45 are available in dark and regular colored fibers.
- Recycled Content Options<sup>1</sup>:

Special "Green" Fiber .....	90%
Dark Fiber .....	84%
EPA Choice Fiber (US Government Buildings).....	75%
Standard Fiber .....	70%

<sup>1</sup>Recycled content options other than standard must be specified at time of order.

## Installation:

Thermafiber recommends mechanical attachment of RainBarrier insulation products. See Thermafiber's RainBarrier Installation Guide at [www.thermafiber.com/rainbarrier](http://www.thermafiber.com/rainbarrier)

## 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 Unfaced	
		"k" @ 75° [24°C] BTU.in/hr.sq. ft. °F	"R" value per inch of thickness***	Flame Spread	Smoke Developed
RainBarrier 30	3.0 pcf	0.25	4.0	0	0
RainBarrier 45	4.5 pcf	0.24	4.2	0	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:

<b>ASTM C 665</b>	Non-corrosive, Type I, III
<b>ASTM C 612</b>	RainBarrier 30 Type IA
<b>ASTM C 612</b>	RainBarrier 45 Type IA, IB
<b>ASTM E 136</b>	Rated Non-combustible per NFPA Standard 220
<b>ASTM E 96</b>	Unfaced, 50 Perms as tested
<b>ASTM E 84</b>	Flame Spread 0, Smoke Developed 0
<b>ASTM C 1104</b>	Absorbs 0.03% by volume
<b>ASTM C 356</b>	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](mailto: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](http://www.thermafiber.com).

## Notice:

THERMAFIBER, Inc. shall not be liable for incidental and consequential damages, directly or indirectly sustained, nor for any loss caused by application of these goods not in accordance with current printed instructions or for other than the intended use. THERMAFIBER liability is expressly limited to replacement of defective goods. Any claim shall be deemed waived unless made in writing within thirty (30) days from date it was or reasonably should have been discovered.

## Submittal Approvals:

Job Name	
Contractor	Date

