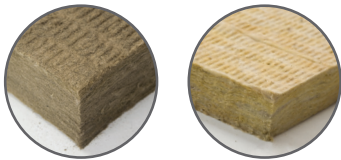



Continuous Insulation (ci) RainBarrier® HD

- + Non-combustible, non-deteriorating, & inorganic
- + Repels and efficiently drains water
- + Heavy density rigid board
- + Conserves energy, reduces Greenhouse gas and carbon emissions
- + Fire resistant to temperatures above 2000° F (1,093° C)
- + More economical than foam products
- + Controls noise and sound
- + Available in dark and regular colored fibers.



 Up to 90% Recycled Content	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.				

Thermafiber®
THE NAME IN MINERAL WOOL™



Made in the USA



Thermafiber RainBarrier mineral wool insulation was installed in the Wisconsin Institute for Discovery (Madison, WI) and helped contribute to its LEED® Gold rating.



RainBarrier HD is a high density board with that provides thermal insulation, fire protection and acoustical control while efficiently draining water from a wall cavity system.

Thermafiber RainBarrier® HD Insulation

Description:

Thermafiber RainBarrier HD is a high density board with a consistent 6.0 pcf density throughout the entire thickness of the product. The consistent density from top to bottom eliminates the need to orient the piece in a certain direction like other mixed-density products. RainBarrier HD continuous insulation products are designed for exceptional performance in rain screen and cavity wall construction applications. Mineral wool provides thermal insulation, fire protection, and acoustical control while efficiently draining water from a cavity system. All RainBarrier products are non-combustive and compatible with common wall ties, adhesives, and air barrier systems.

Product Options:

- RainBarrier HD is available in dark and regular colored fibers.
- Recycled Content Options¹:

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

¹Recycled 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

Standard Sizes:

	Thickness*	Widths**	Lengths**
RainBarrier HD	1" - 7"	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 HD	6.0 pcf	0.24	4.2	0	0
***R = thickness divided by 'k'					

Acoustical Performance:

NRC Data	Coefficients at Frequencies Per ASTM 423							
	Thickness	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	NRC
RainBarrier HD	2"	0.36	0.79	1.15	1.04	1.01	1.04	1.00
	4"	1.15	1.17	1.18	1.03	1.06	1.08	1.10
	6"	1.18	1.01	1.11	1.03	1.06	1.10	1.05

Standards Compliance:

RainBarrier 45 meets the following:

ASTM C 665	Non-corrosive, Type I, III
ASTM C 612	RainBarrier HD Type IA, IB, II, III, IVA
ASTM E 136	Rated Non-combustible per NFPA Standard 220
ASTM E 96	Unfaced, 50 Perms as tested
ASTM E 84	Flame Spread 0, Smoke Developed 0
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