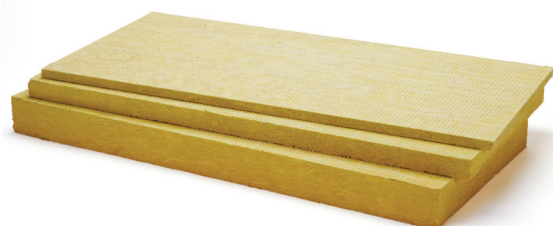




# THERMAFIBER® RAINBARRIER® CI HIGH COMPRESSIVE (80) MINERAL WOOL INSULATION



## Description

Thermafiber® RainBarrier® ci High Compressive (80) continuous insulation boards are designed to support cladding attachment with minimal penetrations. The use of ThermaCrimp™ technology allows for excellent compressive strength while providing thermal efficiency, non-combustibility, water repellency, and flexibility when working with uneven substrates. RainBarrier® ci High Compressive (80) can be used behind light weight cladding – including combustible and open-joint assemblies.

## Features

- High compressive strength to support cladding attachment system with minimal penetration through continuous insulation
- Vapor permeable
- Tolerant of substrate irregularities
- Non-combustible and non-deteriorating
- Fire resistant to temperatures above 2,000°F (1,093°C)
- Enhances acoustical performance
- Minimum 70% recycled content<sup>2</sup>
- Contributes to credits in several green building programs such as LEED® and Green Globes®

## Standards, Code Compliance

- ASTM C612, Mineral Fiber Block and Board Thermal Insulation, Type IA, IB, II, III, IVA, IVB

## Physical Properties

PROPERTY	TEST METHOD	VALUE
Compressive Strength	ASTM C165	475 lbs/ft <sup>2</sup> @ 10% deformation
Surface Burning Characteristics	ASTM E84	Flame Spread 0, Smoke Developed 0
Non-Combustibility	ASTM E136	Non-Combustible as defined per NFPA 220
Linear Shrinkage	ASTM C356	<2% @ 1200°F
Water Vapor Permeance	ASTM E96	24 perm
Water Vapor Sorption	ASTM C1104	<1%
Fungi Resistance	ASTM C1338	Pass
Corrosion of Steel, Aluminum, and Copper	ASTM C665	Pass
Stress Corrosion – Austenitic Steel	ASTM C795	Pass
Odor	ASTM C1304	Pass

## Technical Data

TESTED TO ASTM C518		TESTED TO ASTM E84 UNFACED	
"k" @ 75° [24°C] BTU.in/hr. sq. ft. °F	"R" value per inch of thickness*	Flame Spread	Smoke Developed
0.24	4.2	0	0

\*R = thickness divided by "k"

## Accoustical Performance

ASTM C423	THICKNESS	125 HZ	250 HZ	500 HZ	1000 HZ	2000 HZ	4000 HZ	NRC
		2"	0.22	0.90	1.05	1.06	1.02	

## Availability

THICKNESS*	WIDTHS	LENGTHS
1.5"-4"*	24", 48"	48", 72"

\*Thicknesses are available in 1/2" increments

## Installation

Thermafiber, Inc. recommends mechanical attachment of Thermafiber® RainBarrier® insulation products. See Owens Corning publication "Thermafiber® RainBarrier® Continuous Insulation Guide" (Pub. No. 10021356) for more information.

## Product Options

Recycled Content Option<sup>1,2</sup>:

- EPA Choice Fiber (US Government Buildings).....Minimum 75%
- Standard Fiber.....70%

1. Recycled content options other than standard must be specified at the time of order.

## Notes

For additional information refer to the Safe Use Instruction Sheet (SUIS) found in the SDS Database via <http://sds.owenscorning.com>.

## Submittal Approvals

Job Name \_\_\_\_\_

Contractor \_\_\_\_\_

Date \_\_\_\_\_

## Thermafiber Insolutions®

Thermafiber Insolutions® offers industry leading technical and engineering assistance to architects, specifiers, and contractors. Contact our technical services department at 1-888-834-2371 or email [ThermafiberInsolutions@owenscorning.com](mailto:ThermafiberInsolutions@owenscorning.com).

## Environmental and Sustainability

Owens Corning is a worldwide leader in building material systems, insulation and composite solutions, delivering a broad range of high quality products and services.

Owens Corning is committed to driving sustainability by delivering solutions, transforming markets and enhancing lives. More information can be found at [www.owenscorning.com](http://www.owenscorning.com).

## Certifications and Sustainable Features

- <sup>2</sup>Verified by ICC-ES to contain a minimum of 70% recycled content. See ICC-ES Evaluation Report VAR-1025 at [icc-es.org](http://icc-es.org).
- Environmental Product Declaration (EPD) has been certified by UL Environment. For more information visit [ul.com/epd](http://ul.com/epd).
- Rainbarrier® Products have a published Health Product Declaration (HPD).



**Declare.**

## Disclaimer of Liability

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