



THERMAFIBER® VERSABOARD® MINERAL WOOL INSULATION

Thermafiber® VersaBoard® multi-purpose insulation provides an outstanding combination of fire-resistive characteristics, enhanced acoustical performance, thermal insulation, and energy conservation for various commercial construction applications. These products are great for parking garage under decking, mechanical rooms, and other areas where insulation is required. These products are engineered to repel moisture. VersaBoard® insulation is not listed by UL® or Intertek® for use in fire-rated systems.

Note: If VersaBoard is used on an exposed interior surface, only unfaced and foil faced meet a Class A interior finish rating per NFPA 101.

Features

- Excellent thermal performance (R-Value up to 4.3 per inch)
- Exceptional sound and noise absorption
- Fire-resistant to temperatures above 2,000°F (1,093°C)
- Easy to fabricate
- Conserves energy, reduces greenhouse gas emissions
- Minimum 70% recycled content¹
- Contributes to credits in several green building programs, such as LEED® and Green Globes®

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

Standards, Codes Compliance

- ASTM C612, VersaBoard® 35 IA; VersaBoard® 40, 60 & 80 IA, IB II, III, IVA
- NFPA 101, Class A Rated interior finish (unfaced and foil-faced)

Physical Properties

PROPERTY	TEST METHOD	VALUE
Corrosion of Steel, Aluminum, and Copper	ASTM C665	Non-Combustible
Non-Combustibility	ASTM E136	Non-Combustible
Non-Combustibility	CAN/ULC S114	Complies
Water Vapor Permeance	ASTM E96	ASJ & foil faced, 0.02 perms as tested
Water Vapor Sorption	ASTM C1104	Absorption less than 1% by volume
Linear Shrinkage	ASTM C356	<2% 1200°F (650°C)
Surface Burning Characteristics	ASTM E84	Flame Spread 0, Smoke Developed 0, unfaced Flame Spread 25, Smoke Developed 0, foil-faced
Surface Burning Characteristics	CAN/ULC S102	Flame Spread 0, Smoke Developed 0, unfaced Flame Spread 25, Smoke Developed 0, foil-faced

Technical Data

PRODUCT	TESTED TO ASTM C518		TESTED TO ASTM E84			
	"K" @ 75° [24°C] BTU.IN/HR.SQ FT. °F	"R" VALUE PER INCH OF THICKNESS ²	UNFACED		FOIL-FACED	
			FLAME SPREAD	SMOKE DEVELOPED	FLAME SPREAD	SMOKE DEVELOPED
VersaBoard 35	0.24	4.2	0	0	25	0
VersaBoard 40, 60 & 80	0.23	4.3	0	0	25	0

² R = thickness divided by "k."

Availability

PRODUCT	THICKNESS ³	WIDTHS ⁴	LENGTHS ⁴
VersaBoard 35	1 1/2" – 7"	24", 36"	48", 60"
VersaBoard 40, 60	1" – 7"	24", 36"	48", 60"
VersaBoard 80	1" – 5"	24", 36"	48", 60"
Tolerances	+1/4", -1/8"	±1/8"	±1/2"

³ Thicknesses are available in 1/2-inch increments.

⁴ Custom sizes are available upon request.

Installation

Thermafiber, Inc. recommends mechanical attachment of Thermafiber® VersaBoard® products. Standard insulation pins and washers are recommended.

Product Options

Thermafiber® VersaBoard® insulation can be manufactured with many different facing options.

PRODUCT	ACTUAL DENSITY	FOIL-FACING	ASJ & OTHER FACINGS ⁵
VersaBoard 35	3.5 pcf	≥ 2 1/2"	≥ 3 1/2"
VersaBoard 40	4.0 pcf	≥ 2"	≥ 3"
VersaBoard 60	6.0 pcf	≥ 1 1/2"	≥ 2"
VersaBoard 80	8.0 pcf	≥ 1"	≥ 1 1/2"

- Recycled Content Options⁶:
 - EPA Choice Fiber (U.S. Government Buildings).....Minimum 75%
 - Standard Fiber.....70%

⁵ Up to 6mm (1/4") may be unfaced at the edge of the mineral wool insulation board. Edges may be taped.
⁶ Recycled content options other than standard must be specified at time of order.

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.

Certifications and Sustainable Features

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



Disclaimer of Liability

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, Inc. 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.

LEED® is a registered trademark of the U.S. Green Building Council.

Green Globes® is a registered trademark of Green Building Initiative, Inc. UL and the UL logo are trademarks of UL LLC.

Notes

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

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