



# Thermafiber® VersaBoard® Mineral Wool Insulation



## Description

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 and can be an exposed interior surface. VersaBoard® insulation is not listed by UL® or Intertek® for use in fire rated systems.

## Standards, Codes Compliance

|                     |  |
|---------------------|--|
| <b>NFPA 101</b>     | Class A Rated interior finish (unfaced and foil faced)                                     |
| <b>ASTM C 665</b>   | Non-Corrosive Type I (unfaced material), Type II (Black & White Mat, ASJ), Type III (foil) |
| <b>ASTM C 612</b>   | VersaBoard® 35IA; VersaBoard® 40 IA, IB, II, III, IVA                                      |
| <b>ASTM C 612</b>   | VersaBoard® 60 & 80 IA, IB, II, III, IVA   |
| <b>ASTM E 136</b>   | Non-combustible as defined per NFPA Standard 220   |
| <b>CAN/ULC S114</b> | Complies   |
| <b>ASTM E 96</b>    | ASJ & foil faced, 0.02 perms as tested   |
| <b>ASTM C 1104</b>  | Absorption less than 1% by volume  |
| <b>ASTM C 356</b>   | Linear Shrinkage <2% 1200°F (650° C)   |
| <b>CAN/ULC S102</b> | Flame Spread 0, Smoke Developed 0, unfaced   |

## Product Options

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

| Product       | Foil Facing | ASJ & Other Facings**** |
|---------------|-------------|-------------------------|
| VersaBoard 35 | ≥ 2½"       | ≥ 3½"                   |
| VersaBoard 40 | ≥ 2"        | ≥ 3"                    |
| VersaBoard 60 | ≥ 1½"       | ≥ 2"                    |
| VersaBoard 80 | ≥ 1"        | ≥ 1½"                   |

\*\*\*\*Felt exposure may occur on the edges of material with various facings. All edges must be taped if material experiences exposed edges.

## 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 time of order.

## Technical Data

| Product       | 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 |
| VersaBoard 35 | 3.5 pcf        | 0.24                                  | 4.2                                | 0                   | 0          | 25           | 0               |
| VersaBoard 40 | 4.0 pcf        | 0.23                                  | 4.3                                | 0                   | 0          | 25           | 0               |
| VersaBoard 60 | 6.0 pcf        | 0.23                                  | 4.3                                | 0                   | 0          | 25           | 0               |
| VersaBoard 80 | 8.0 pcf        | 0.23                                  | 4.3                                | 0                   | 0          | 25           | 0               |

\*\*\*R = thickness divided by 'k'

## Installation

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

## Availability

| Product           | Thickness* | Widths** | Lengths** |
|-------------------|------------|----------|-----------|
| VersaBoard 35     | 1½" - 7"   | 24", 36" | 48", 60"  |
| VersaBoard 40, 60 | 1" - 7"    | 24", 36" | 48", 60"  |
| VersaBoard 80     | 1" - 5"    | 24", 36" | 48", 60"  |
| Tolerances        | +¼" - ⅛"   | ±⅛"      | ±½"       |

\* Thicknesses are available in ½" increments.

\*\* Custom sizes are available upon request.

## Thermafiber Insolutions®

Thermafiber Insolutions® 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 or email [ThermafiberInsolutions@owenscorning.com](mailto:ThermafiberInsolutions@owenscorning.com).

## 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 content<sup>2</sup>
- Contributes to credits in several green building programs such as LEED® and Green Globes®

## Environmental and Sustainability

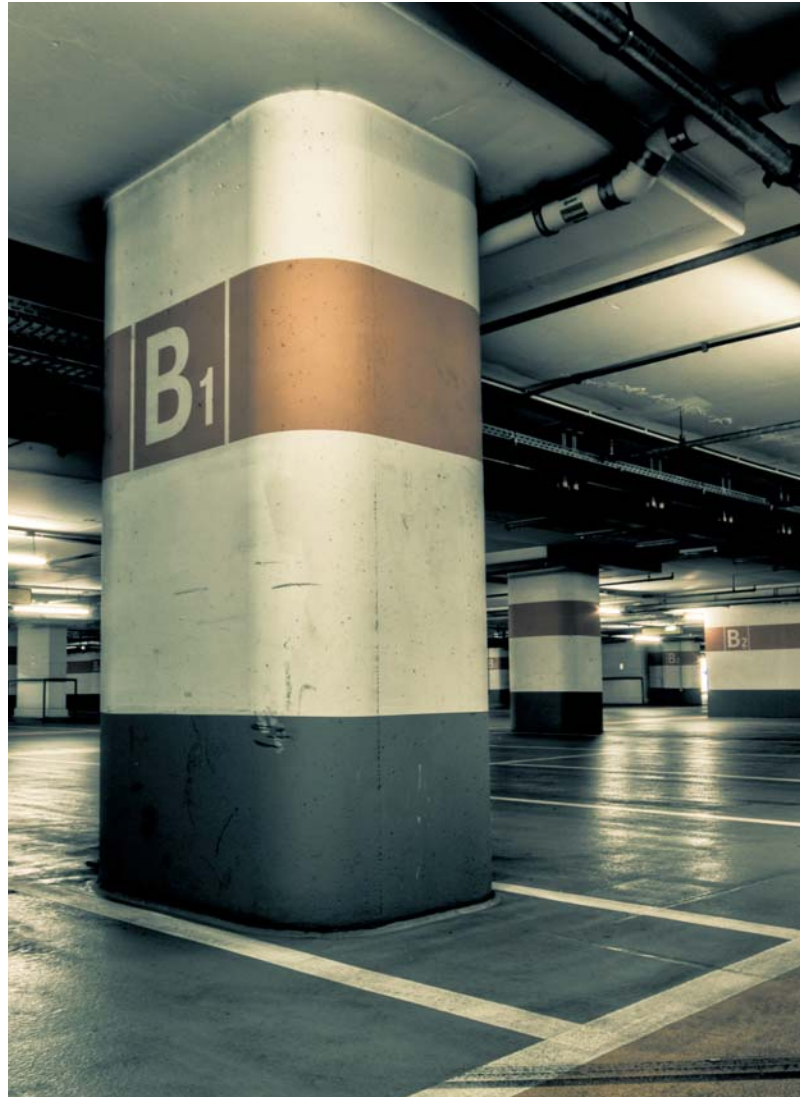
Owens Corning is a worldwide leader in building material systems, insulation and composite solutions, delivering a broad range of high quality products and services. Owens Corning is committed to driving sustainability by delivering solutions, transforming markets and enhancing lives. More information can be found at [www.owenscorning.com](http://www.owenscorning.com).

## 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® VersaBoard® insulation is ideal for parking garage under decking. It is engineered to enhance sound control and provide energy saving thermal protection.



Made in the USA

## 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).
- Material Health Certificate from Cradle to Cradle Products Innovation Institute. For more information visit [c2ccertified.org](http://c2ccertified.org).



# Thermafiber®

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