



# Thermafiber® UltraBatt™

## Mineral Wool Thermal Batt Insulation

### PRODUCT FEATURES

#### Description

Mineral wool thermal batt insulation.

#### Basic Uses/Related Uses

Thermal batt insulation for use within various wood and steel framed exterior wall, ceiling, and floor construction assemblies. For a complete list of R-values and thicknesses offered, see Sizes and R-values. UltraBatt™ can be used as a thermal barrier for foamed plastics, certified to CAN/ULC-S124.

#### Selection Criteria

- Enhances thermal performance
- Non-combustible
- Moisture resistant and non-deteriorating
- Non-corrosive
- Vermin resistant
- Helps conserve energy, reduce greenhouse gas emissions
- Fire resistant to temperatures above 1,093° C (2,000° F)

#### Sustainability Criteria

- Recycled content minimum 70%, Standard Fiber
- Transparency Documentation Available - Health Product Declaration
- Contributes to credits in several green building programs such as LEED® and Green Globes®
- For more information see Environmental Product Declaration (EPD) certified by UL Environment via [www.thermafiber.ca/sustainability](http://www.thermafiber.ca/sustainability)

#### Applicable Standards

|                     |   |
|---------------------|---|
| <b>CAN/ULC-S702</b> | Standard for Mineral Fibre Thermal Insulation for Buildings   |
| <b>ASTM C665</b>    | Standard Specification for Mineral-Fiber Blanket Thermal Insulation for Light Frame Construction and Manufactured Housing |
| <b>ASTM C518</b>    | Standard Test Methods for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus          |
| <b>CAN/ULC-S114</b> | Standard Method of Test for Determination of Non-combustibility in Building Materials                                     |
| <b>ASTM E136</b>    | Standard Test Method for Behavior of Materials in a Vertical Tube Furnace at 750°C  |
| <b>CAN/ULC-S129</b> | Standard Method of Test for Smoulder Resistance of Insulation (Basket Method)   |
| <b>CAN/ULC-S102</b> | Standard Method of Test for Surface Burning Characteristics of Building Materials and Assemblies                          |
| <b>ASTM E84</b>     | Standard Test Method for Surface Burning Characteristics of Building Materials  |
| <b>CAN/ULC-S124</b> | Standard Method of Test for the Evaluation of Protective Coverings for Foamed Plastic                                     |
| <b>ASTM C1104</b>   | Standard Test Method for Determining the Water Vapor Sorption of Unfaced Mineral Fiber Insulation                         |
| <b>ASTM C1338</b>   | Standard Test Method for Determining Fungi Resistance of Insulation Materials and Facings                                 |
| <b>ASTM C795</b>    | Standard Specification for Thermal Insulation for Use in Contact with Austenitic Stainless Steel                          |

#### Performance Criteria

|                   |  |   |
|-------------------|--|---|
| <b>Compliance</b> | Evaluation Listing No. 14059-L<br>Type I   | CCMC<br>CAN/ULC-S702  |
| <b>Thermal</b>    | See Sizes and R-values   | ASTM C518   |
| <b>Fire</b>       | Non-Combustible<br>Non-Combustible as defined per NFPA Standard 220<br>Smoulder Resistance Mean Mass Loss ≤ 0.02%<br>Flame Spread 0; Smoke Developed 5<br>Flame Spread 0; Smoke Developed 0<br>Class A - min. 138 mm (5.5") thickness<br>QAI Listing No. B1079 | CAN/ULC-S114<br>ASTM E136<br>CAN/ULC-S129<br>CAN/ULC-S102<br>ASTM E84<br>CAN/ULC-S124 |
| <b>Moisture</b>   | Moisture Absorption < 1% by volume<br>Fungi Resistance - Pass  | ASTM C1104<br>ASTM C1338  |
| <b>Corrosion</b>  | Austenitic Steel - Non-corrosive<br>Steel, Aluminum, Copper - Non-corrosive  | ASTM C795<br>ASTM C665  |

#### Sizes and R-values

| Thickness                        | RSI (m <sup>2</sup> ·K/W) | R-value (hr·ft <sup>2</sup> ·°F/Btu) | Width                        | Length        |
|----------------------------------|---------------------------|--------------------------------------|------------------------------|---------------|
| <b>Wood-framed applications</b>  |                           |                                      |                              |               |
| 89 mm (3.5")                     | 2.5                       | 14                                   | 381 mm (15")<br>584 mm (23") | 1194 mm (47") |
| 140 mm (5.5")                    | 3.9                       | 22                                   |                              |               |
| 146 mm (5.75")                   | 4.2                       | 24                                   |                              |               |
| 180 mm (7.1")                    | 4.9                       | 28                                   |                              |               |
| 203 mm (8.0")                    | 5.6                       | 32                                   |                              |               |
| <b>Steel-framed applications</b> |                           |                                      |                              |               |
| 64 mm (2.5")                     | 1.8                       | 10                                   | 406 mm (16")<br>610 mm (24") | 1219 mm (48") |
| 89 mm (3.5")                     | 2.5                       | 14                                   |                              |               |
| 152 mm (6.0")                    | 4.0/4.2                   | 22.5/24                              |                              |               |

#### Quality Statement, Tests, Certifications, and Approvals

- Fire resistance verified by QAI - QAI Listing No. B1079-1.
- Recycled content verified by ICC-ES.

#### Delivery and Storage

Deliver products in their original packages, and store in enclosed shelter.

#### Limitations

Packaging is not UV resistant. Shelter unused packages from the elements.

#### Safety

Contact with mineral wool may cause temporary eye and skin irritation. Wear eye protection and long-sleeved loose fitting clothing closed at the neck and wrists. For additional information refer to the Safe Use Instruction Sheet (SUIS) found in the SDS Database via <http://sds.owenscorning.com>.

#### Availability/Cost

Contact Owens Corning local Area Sales Manager. See ASM territory map via [www.thermafiber.ca/contact](http://www.thermafiber.ca/contact).





# Thermafiber® UltraBatt™

## Mineral Wool Thermal Batt Insulation



### PRODUCT PROPERTIES

#### Materials

Mineral wool, Type I (to CAN/ULC-S702), non-combustible (to CAN/ULC-S114), non-corrosive (to ASTM C665).

### PRODUCT PLACEMENT

#### Installation

- Install in accordance with Thermafiber® insulation installation instructions.
- Batt's are typically installed friction-fit between framing members in wall and floor assemblies.
- Batt's should be butted tight at joints, filling all voids, do not over compress.
- For easy cutting use a serrated knife or contact Owens Corning for recommendations.

#### Coverage

| RSI (m <sup>2</sup> -K/W)                             | R-value (hr-ft <sup>2</sup> -°F/Btu) | Batts per Bag | Width        | Coverage per Bag |         |
|---|--------------------------------------|---------------|--------------|------------------|---------|
|   |                                      |               |              | sq. m.           | sq. ft. |
| <b>Wood-framed applications: 1194 mm (47") Length</b> |                                      |               |              |                  |         |
| 2.5   | 14                                   | 6             | 381 mm (15") | 2.73             | 29.4    |
|   |                                      |               | 584 mm (23") | 4.18             | 45.0    |
| 3.9   | 22                                   | 5             | 381 mm (15") | 2.27             | 24.5    |
|   |                                      |               | 584 mm (23") | 3.49             | 37.5    |
| 4.2   | 24                                   | 4             | 381 mm (15") | 1.82             | 19.6    |
|   |                                      |               | 584 mm (23") | 2.79             | 30.0    |
| 4.9/5.6   | 28/32                                | 3             | 381 mm (15") | 1.36             | 14.7    |
|   |                                      |               | 584 mm (23") | 2.09             | 22.5    |

| RSI (m <sup>2</sup> -K/W)                              | R-value (hr-ft <sup>2</sup> -°F/Btu) | Batts per Bag | Width        | Coverage per Bag |         |
|--|--------------------------------------|---------------|--------------|------------------|---------|
|  |                                      |               |              | sq. m.           | sq. ft. |
| <b>Steel-framed applications: 1219 mm (48") Length</b> |                                      |               |              |                  |         |
| 1.8  | 10                                   | 10            | 406 mm (16") | 4.95             | 53.3    |
|  |                                      |               | 610 mm (24") | 7.43             | 80.0    |
| 2.5  | 14                                   | 6             | 406 mm (16") | 2.97             | 32.0    |
|  |                                      |               | 610 mm (24") | 4.46             | 48.0    |
| 4.0/4.2  | 22.5/24                              | 5             | 406 mm (16") | 2.48             | 26.7    |
|  |                                      |               | 610 mm (24") | 3.72             | 40.0    |

#### Technical Services Available

For Canadian Thermafiber® Technical inquiries, please contact our technical team at [www.thermafiber.ca/contact](http://www.thermafiber.ca/contact).



Current Ed: 2020-01-15  
Previous Ed: 2019-10-01



### 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.

**THERMAFIBER, INC.**  
ONE OWENS CORNING PARKWAY  
TOLEDO, OHIO, USA 43659  
**1-800-GET-PINK®**  
[www.thermafiber.ca](http://www.thermafiber.ca)

Pub. No. 600004C Printed in Canada. January 2020.  
THE PINK PANTHER™ & © 1964–2020 Metro-Goldwyn-Mayer Studios Inc.  
All Rights Reserved. The colour PINK is a registered trademark of Owens Corning.  
© 2020 Owens Corning. All Rights Reserved. © 2020 Thermafiber, Inc.  
All Rights Reserved.

