## PRODUCT FEATURES

### Description
Mineral wool sound attenuation batt insulation.

### Basic Uses/Related Uses
Sound absorbent material for various load bearing & non-load bearing sound and fire rated wall and ceiling construction assemblies.

### Selection Criteria
- Enhances acoustical performance
- Non-combustible
- Moisture resistant and non-deteriorating
- Non-corrosive
- Vermin resistant
- 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
- For more information see Environmental Product Declaration (EPD) certified by UL Environment via www.thermafiber.ca/sustainability
- Contributes to credits in several green building programs such as LEED® and Green Globes®

### Applicable Standards
- **CAN/ULC-S702** Standard for Mineral Fibre Thermal Insulation for Buildings
- **ASTM C665** Standard Specification for Mineral-Fiber Blanket Thermal Insulation for Light Frame Construction and Manufactured Housing
- **CAN/ULC-S114** Standard Method of Test for Determination of Non-combustibility in Building Materials
- **ASTM E136** Standard Test Method for Behavior of Materials in a Vertical Tube Furnace at 750°C
- **CAN/ULC-S129** Standard Method of Test for Smoulder Resistance of Insulation (Basket Method)
- **CAN/ULC-S102** Standard Method of Test for Surface Burning Characteristics of Building Materials and Assemblies
- **ASTM E84** Standard Test Method for Surface Burning Characteristics of Building Materials
- **ASTM C1104** Standard Test Method for Determining the Water Vapor Sorption of Unfaced Mineral Fiber Insulation
- **ASTM C1338** Standard Test Method for Determining Fungi Resistance of Insulation Materials and Facings
- **ASTM C295** Standard Specification for Thermal Insulation for Use in Contact with Austenitic Stainless Steel
- **ASTM C423** Standard Test Method of Sound Absorption and Coefficients by the Reverberation Room Method

### Performance Criteria

<table>
<thead>
<tr>
<th>Compliance Evaluation Listing No. 14059-L</th>
<th>CCMC Type I</th>
<th>CAN/ULC-S702</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density</td>
<td>40 kg/m³ (2.5 lbs/ft³)</td>
<td>SAFB™ product &lt; 38 mm (1.5”), 64 kg/m³ (4.0 lbs/ft³)</td>
</tr>
<tr>
<td>Fire</td>
<td>Non-Combustible</td>
<td>CAN/ULC-S114</td>
</tr>
<tr>
<td></td>
<td>Non-Combustible as defined per NFPA Standard 220</td>
<td>CAN/ULC-S129</td>
</tr>
<tr>
<td></td>
<td>Flame Spread 0; Smoke Developed 0</td>
<td>CAN/ULC-S102</td>
</tr>
<tr>
<td></td>
<td>Flame Spread 0; Smoke Developed 0</td>
<td>ASTM E84</td>
</tr>
<tr>
<td>Moisture</td>
<td>Moisture Absorption &lt;1% by volume</td>
<td>ASTM C1104</td>
</tr>
<tr>
<td></td>
<td>Fungi Resistance - Pass</td>
<td>ASTM C1338</td>
</tr>
<tr>
<td>Corrosion</td>
<td>Austenitic Steel - Non-corrosive</td>
<td>ASTM C795</td>
</tr>
<tr>
<td></td>
<td>Steel, Aluminum, Copper - Non-corrosive</td>
<td>ASTM C665</td>
</tr>
<tr>
<td>Acoustic</td>
<td></td>
<td>ASTM C423</td>
</tr>
<tr>
<td>Thickness</td>
<td>125 Hz</td>
<td>250 Hz</td>
</tr>
<tr>
<td>51 mm (2”)</td>
<td>0.34</td>
<td>0.61</td>
</tr>
<tr>
<td>76 mm (3”)</td>
<td>0.61</td>
<td>0.99</td>
</tr>
<tr>
<td>102 mm (4”)</td>
<td>0.83</td>
<td>1.19</td>
</tr>
<tr>
<td>152 mm (6”)</td>
<td>1.37</td>
<td>1.32</td>
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</table>

### Sizes

<table>
<thead>
<tr>
<th>Thickness</th>
<th>Widths</th>
<th>Lengths</th>
</tr>
</thead>
<tbody>
<tr>
<td>25 mm (1&quot;) - 89 mm (3.5&quot;) in 12.7 mm (1/2&quot;) increments</td>
<td>381 mm (15&quot;)</td>
<td>1194 mm (47&quot;)</td>
</tr>
<tr>
<td>102 mm (4&quot;) - 179 mm (7&quot;) in 25.4 mm (1&quot;) increments</td>
<td>406 mm (16&quot;)</td>
<td>1200 mm (48&quot;)</td>
</tr>
</tbody>
</table>

**Note:** Thermafiber® SAFB acoustic rated assemblies are tested to ASTM E90 - Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements.
Thermafiber® SAFB™
Mineral Wool Acoustic Batt Insulation

MasterFormat 09 81 16 –
Acoustic Blanket Insulation

Quality Statement, Tests, Certifications and Approvals
- Fire resistance verified by ULC & UL.
  - ULC Classification: BZJZC
  - UL Classification: BZJZ
- Qualifies as sound absorptive material within NBCC and Provincial building codes.
- Recycled content verified by ICC-ES.

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

Limitations
Not recommended for thermal resistant rated construction assemblies. Use Thermafiber® UltraBatt® insulation where thermal resistant rated mineral wool batt insulation is required. 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.

PRODUCT PROPERTIES
Materials
Mineral wool sound absorbing material, 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 as shown on packaging.
- Blankets are typically installed friction-fit between framing members in wall and floor assemblies.
- Blankets should be butted tight at joints, filling all voids, do not over compress.
- Ceiling overlay done using blankets loose-laid over ceiling assembly, extending 1220 mm (48") beyond all partitions. It is recommended to check with ceiling manufacturer for weight limitations on ceiling tile grid assembly. Tightly fit around all hangers, obstructions, and penetrations.

Technical Services Available
For Canadian Thermafiber® Technical inquiries, please contact our technical team at www.thermafiber.ca/contact.ca.

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