4. TECHNICAL DATA

Applicable Standards:
- National Building Code
  – Article 9.25.2.2
- CCMC Evaluation Report No. 13272-R
- CAN/ULC-S702
- ICC Model Building Codes
- ASTM C764—Complies with Standard Specification for Mineral Fiber Loose-Fill Thermal Insulation, as a Type I material.

Fire Resistance:
- Fire Hazard Classification:
  – CAN/ULC-S102 ASTM E84
    Max. Flame Spread Index: 5
    Max. Smoke Dev. Index: 5
- Noncombustibility:
  – ASTM E136
  Meets requirements

Physical/Chemical Properties:
- Thermal Performance:
  – ASTM C687; The stated R-Values in the closed cavity, sidewall, cathedral ceiling and floored attic table on the back of this sheet are achieved at weights and coverages specified when insulation is installed with pneumatic equipment in accordance with CertainTeed recommendations.
- Sound Transmission Loss: The same STC ratings obtained with fibre glass blanket insulation can be estimated for OPTIMA. Request CertainTeed’s “A Guide for Residential Sound Control Using Fiber Glass Insulation” brochure (30-28-008) for more information on the subject.

5. INSTALLATION

Installation procedures and techniques must be as recommended by CertainTeed Corporation, using blowing machines approved for fibre glass insulation. Refer to OPTIMA Installation Guide (30-24-290).

6. AVAILABILITY AND COST

Distributed and sold throughout North America. For availability and cost contact your local contractor or distributor, or call CertainTeed Sales Support Group in Valley Forge, PA at 800-233-8990.

7. WARRANTY

Refer to CertainTeed’s Limited Lifetime Warranty for OPTIMA (30-24-271).

8. MAINTENANCE

No maintenance required.

9. TECHNICAL SERVICES

Technical assistance can be obtained either from the local CertainTeed sales representative, or by calling CertainTeed Sales Support Group in Valley Forge, PA at 800-233-8990.
**Thermal Performance**

OPTIMA® loose-fill insulation is manufactured for closed cavity application installed behind OPTIMA fabric or equivalent. It should not be used for open blow applications. Coverages are based on a nominal 28 lb. bag weight.

BIBS, sidewalls, cathedral ceilings, floored attics and other closed cavities that are compression filled.

<table>
<thead>
<tr>
<th>Cavity Size</th>
<th>Thickness</th>
<th>R-Value</th>
<th>Density</th>
<th>Minimum weight</th>
<th>Number of bags</th>
<th>Maximum coverage per bag</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Inches</td>
<td>R</td>
<td>RSI</td>
<td>lbs/ft²</td>
<td>kg/m²</td>
<td>lbs/ft²</td>
</tr>
<tr>
<td>2 x 4</td>
<td>3½</td>
<td>15</td>
<td>2.6</td>
<td>1.8</td>
<td>26.7</td>
<td>0.525</td>
</tr>
<tr>
<td>2 x 6</td>
<td>5½</td>
<td>23</td>
<td>4.1</td>
<td>1.8</td>
<td>26.7</td>
<td>0.825</td>
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<tr>
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<td>7¼</td>
<td>30</td>
<td>5.3</td>
<td>1.8</td>
<td>26.7</td>
<td>1.088</td>
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<tr>
<td>2 x 10</td>
<td>9¼</td>
<td>40</td>
<td>6.9</td>
<td>1.8</td>
<td>26.7</td>
<td>1.388</td>
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<tr>
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<td>11¼</td>
<td>56</td>
<td>8.3</td>
<td>1.8</td>
<td>26.7</td>
<td>1.688</td>
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<tr>
<td>2 x 14</td>
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<td>75</td>
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<td>1.8</td>
<td>26.7</td>
<td>1.988</td>
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</tbody>
</table>

R-Values are determined in accordance with ASTM C687. Complies with ASTM C764 as Type 1 insulation. “R” means resistance to heat flow. The higher the R-Value, the greater the insulating power. To get the marked R-Value, it is essential that the insulation is installed properly following the recommendations of CertainTeed Corporation.

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