ThermalStar LCI is the perfect solution for continuous insulation applications due to its polymeric film facers and polystyrene core. Configurations are available for new construction and retrofit applications.

For more information, please visit our website at: www.ThermalStar.com/Products

New Construction Applications (refer to reverse side for retrofit applications)

<table>
<thead>
<tr>
<th>Property</th>
<th>ASTM Test Method</th>
<th>Standard Product ID</th>
<th>LCI 15</th>
<th>LCI 25</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compressive Strength (minimum psi) at 10% Deformation</td>
<td>D1621</td>
<td>LCI 15, LCI 25</td>
<td>15</td>
<td>25</td>
</tr>
<tr>
<td>R-value per inch (minimum) at 75°F mean temp</td>
<td>C518</td>
<td></td>
<td>4.2</td>
<td>4.4</td>
</tr>
<tr>
<td>R-value per inch (minimum) at 40°F mean temp</td>
<td>C578</td>
<td></td>
<td>4.6</td>
<td>4.8</td>
</tr>
<tr>
<td>ASTM Classification</td>
<td>C578</td>
<td>LCI 15, LCI 25</td>
<td>Type II</td>
<td>Type IX</td>
</tr>
<tr>
<td>Flexural Strength (minimum psi)</td>
<td>C203</td>
<td></td>
<td>35</td>
<td>50</td>
</tr>
<tr>
<td>Water Absorption % by volume, maximum after 24 hr immersion</td>
<td>C272</td>
<td></td>
<td>2.5</td>
<td>1.25</td>
</tr>
<tr>
<td>Surface Burning- Flame Spread and Smoke Developed</td>
<td>E84</td>
<td>Flame Spread 20, Smoke Developed 400 [meets code]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water Vapor Permeance</td>
<td>Typical E86, desiccant method</td>
<td>&lt;0.5 perm</td>
<td>&lt;0.5 perm</td>
<td></td>
</tr>
<tr>
<td>Maximum Use Temperature</td>
<td>-</td>
<td>Short Term (10–15 minutes) 180°F, Long term 185°F</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

New Construction LCI features include:
- Designed specifically to be installed in place of, or over wood sheathing on new construction applications
- Non-perforated polymeric film facer on one side, with a reflective barrier on the other
- Class II vapor retarder
- Air barrier material per E2178
- Serves as a code compliant water resistive barrier when properly flashed and taped
- NFPA285 approved for IBC Type I-IV construction, per UL report ER16529
INSTALLATION AND HANDLING

LCi can be handled much the same as any other foam or wood sheathing, using similar tools or a simple utility knife to customize panels to fit the application.

SAFETY

SDS for this product are available at AtlasMoldedProducts.com. Dust generated from sanding or cutting LCi should be avoided using a dust mask. LCi insulation is combustible and the product should be protected from ignition sources such as open flames or welder’s torch. Applications not specifically listed in UL ER16529.1 require permanent separation of LCi insulation from the interior of the building by a thermal barrier such as drywall or concrete for fire safety.

WARRANTY

LCi Insulation is backed by a limited lifetime warranty for physical and thermal performance.

CODE COMPLIANCE

ThermalStar LCi insulation complies with the model building codes when properly installed:

- Surface Burning – UL BRYX.R16529
- Physical Properties – UL QORW.R16529
- CAN/ULC S102.2, S701 – ULC BOZCC R16529
- International Residential Code (IRC) – ICC-ES ESR-1962, UL16529-1
- ASTM C578 – See product marketing for Type
- Crawl Space – per section R316.4.5 & R316.6 of 2015 IRC
- Cal Std Reg #CA472

Retrofit LCi features include:

- Designed specifically to be installed as a cover board to level the surface for a remodel or re-siding project
- Perforated polymeric film facer on one side, with a perforated reflective barrier on the other
- Class III vapor retarder, over 1 perm
- 4’x8’ sheet thicknesses available: 1/2", 3/4", 1"
- 4’x600” fanfold thicknesses available: 1/4", 3/8", 1/2”

*For additional sizes, ask about LCi SP

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**Retrofit Applications**

**Retrofit Applications**

(Refer to front side for new construction applications)

<table>
<thead>
<tr>
<th>Property</th>
<th>ASTM Test Method</th>
<th>Standard Product ID</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compressive Strength (minimum psi) at 10% Deformation</td>
<td>D1621</td>
<td>LCI 10 Perforated</td>
</tr>
<tr>
<td>R-value per inch (minimum) at 75°F mean temp</td>
<td>C518</td>
<td>3.2</td>
</tr>
<tr>
<td>R-value per inch (minimum) at 40°F mean temp</td>
<td>C518</td>
<td>3.5</td>
</tr>
<tr>
<td>Flexural Strength (minimum psi)</td>
<td>C203</td>
<td>18</td>
</tr>
<tr>
<td>Water Absorption % by volume, maximum after 24 hr immersion</td>
<td>C272</td>
<td>3.0</td>
</tr>
<tr>
<td>Surface Burning- Flame Spread and Smoke Developed</td>
<td>E84, Flame Spread 20, Smoke Developed 400 (meets code)</td>
<td></td>
</tr>
<tr>
<td>Water Vapor Permeance</td>
<td>E96 Wet</td>
<td>&gt;1 perm</td>
</tr>
<tr>
<td>Maximum Use Temperature</td>
<td>-</td>
<td>Short Term (10-15 minutes) 180°F, Long term 165°F</td>
</tr>
<tr>
<td>UV Exposure</td>
<td>-</td>
<td>30 days</td>
</tr>
</tbody>
</table>

Retrofit LCi features include:

- Designed specifically to be installed as a cover board to level the surface for a remodel or re-siding project
- Perforated polymeric film facer on one side, with a perforated reflective barrier on the other
- Class III vapor retarder, over 1 perm
- 4’x8’ sheet thicknesses available: 1/2", 3/4", 1"
- 4’x600” fanfold thicknesses available: 1/4", 3/8", 1/2”

*For additional sizes, ask about LCi SP

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**ThermalStar**

Rigid Insulation

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800.917.9138, AtlasMoldedProducts.com

Specify ThermalStar LCI on Your Next Project!