ThermalStar LCi GX has been designed specifically for crawl space applications. With a graphite enhanced expanded polystyrene (EPS) core and a durable film facer on both sides for dual layers of protection, LCi GX helps provide superior energy efficiency, working to reduce heating and cooling costs!

Standard features include:
- Size: 4’x8’ square edge sheets
- Available in the following R-values: R5, R10, R15

<table>
<thead>
<tr>
<th>Typical Tested Properties of R5 LCi GX</th>
<th>ASTM Test Method</th>
<th>LCI 10 GX</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compressive Strength (minimum psi) at 10% Deformation</td>
<td>D1621</td>
<td>10</td>
</tr>
<tr>
<td>Product R-value at 75ºF mean temp¹</td>
<td>C518</td>
<td>5.0</td>
</tr>
<tr>
<td>Product R-value at 45ºF mean temp¹</td>
<td>C518</td>
<td>5.1</td>
</tr>
<tr>
<td>Product R-value at 25ºF mean temp¹</td>
<td>C518</td>
<td>5.2</td>
</tr>
<tr>
<td>Compressive Strength (minimum psi) at 1% Deformation</td>
<td>D1621</td>
<td>4</td>
</tr>
<tr>
<td>Flexural Strength, foam core only (minimum psi)²</td>
<td>C203</td>
<td>25</td>
</tr>
<tr>
<td>Facers add 10-15 psi flexural resistance</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vapor Permeance at R5 thickness (perms)</td>
<td>E96 Desiccant Method</td>
<td>&lt;0.3 perm (Class II) all thicknesses*</td>
</tr>
<tr>
<td>Water Absorption % by volume, maximum after 24 hr immersion</td>
<td>C272</td>
<td>1.1</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>
</tr>
<tr>
<td>Maximum Use Temperature</td>
<td>-</td>
<td>Short Term (10-15 minutes) 180ºF, Long term 165ºF</td>
</tr>
</tbody>
</table>

¹ All R5 ThermalStar LCi GX grades (10, 15, 20, 25 psi) are manufactured at 1.06”
² 2015 IRC deems 15 psi and above EPS foam sheathing at 1” to meet wind pressure resistance min of 115 mph

* Refer to 2015 IBC Model Code, table 1403.5.2 climate zone and wall configuration, for recommended building practice in your area, when applicable.
Advantages of LCi GX:

INTEGRATED TERMITICIDE
LCi GX has an integrated termiticide to prevent any termite damage or infestation, that complies with 2015 IRC section 318.4 exception 2, to be installed within 6” of grade. See report ULEX.R16529-1.

STABLE R-VALUE
Unlike competing products, the thermal performance of LCi GX is stable over time, assuring the R-value meets design requirements over the life of the structure.

DURABILITY
LCi GX has a polymeric film facer on both sides, making the product more durable against typical job site abuse such as transport, storage and installation.

ENVIRONMENTALLY FRIENDLY:
Competing products, such as XPS, utilize harmful HFC gases in their insulating cells, and thus have an extremely high global warming potential (GWP). The insulating cells of LCi GX cells simply contain air, providing an environmentally friendly crawlspace solution.

Specify ThermalStar LCi GX on Your Crawlspace Next Project!

INSTALLATION AND HANDLING
LCi GX 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. This product must be protected from direct sunlight during storage with an opaque covering.

SAFETY
SDS for this product is available at AtlasEPS.com. Dust generated from sanding or cutting LCi GX should be avoided using a dust mask. LCi GX 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 GX insulation from the interior of the building by a thermal barrier such as drywall or concrete for fire safety.

WARRANTY
LCi GX insulation is backed by a limited lifetime warranty for physical and thermal performance.

CODE COMPLIANCE
ThermalStar LCi GX 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) – UL16529-1
- International Building Code (IBC) – 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
- NFPA285 Approved – ULEX R16529-1
- HUD section 3280.504 - vapor permeance when perforated