



**LCi™**  
Laminated Continuous  
Wall Insulation

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!



**EPSX® TECHNOLOGY ADVANTAGE**



Termite  
Resistant



Moisture  
Resistant



Stable  
R-value



Environmentally  
Friendly



Limited Lifetime  
Warranty

Standard features include:

- Size: 4'x8' square edge sheets
- Available in the following R-values: R5, R10, R15

Typical Tested Properties of R5 LCI GX	ASTM Test Method	GX SERIES	
		LCi 10 GX	
Compressive Strength (minimum psi) at 10% Deformation	D1621	10	
Product R-value at 75°F mean temp <sup>1</sup>	C518	5.0	
Product R-value at 45°F mean temp <sup>1</sup>	C518	5.1	
Product R-value at 25°F mean temp <sup>1</sup>	C518	5.2	
Compressive Strength (minimum psi) at 1% Deformation	D1621	4	
Flexural Strength, foam core only (minimum psi) <sup>2</sup> Facers add 10-15 psi flexural resistance	C203	25	
Vapor Permeance at R5 thickness (perms)	E96 Desiccant Method	<0.3 perm (Class II) all thicknesses*	
Water Absorption % by volume, maximum after 24 hr immersion	C272	1.1	
Surface Burning- Flame Spread and Smoke Developed	E84	Flame Spread 20, Smoke Developed 400 [meets code]	
Maximum Use Temperature	-	Short Term (10-15 minutes) 180°F, Long term 165°F	

<sup>1</sup> All R5 ThermalStar LCI GX grades (10, 15, 20, 25 psi) are manufactured at 1.06"

<sup>2</sup> 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.



**ThermalStar®**  
BY ATLAS EPS

## 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

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Atlas EPS, a Division of Atlas Roofing Corporation  
8240 Byron Center Ave SW, Byron Center, MI 49315  
800.917.9138, AtlasEPS.com