

## LAMINATED CRAWLSPACE INSULATION

### CRAWLSPACE WALL APPLICATIONS

Insulation is a vital component of a building's envelope. For building designers requiring the highest quality rigid insulation, ThermalStar® Laminated Crawlspace Insulation (LCI) provides unmatched quality, with a stable long term R-value that will last the lifetime of your structure.

Manufactured under an industry leading quality control program monitored by UL and ICC-ES, ThermalStar LCI meets or exceeds ASTM C578 standards, providing an HFC free, recyclable rigid insulation with a low Global Warming Potential (GWP).

### PHYSICAL PROPERTIES

PROPERTY	ASTM TEST METHOD	LCI		LCI GPS	
		10	15	10	15
Compressive Strength (psi) at 10% Deformation <sup>1</sup>	D1621	10	15	10	15
ASTM Classification	C578	Type I	Type II	Type I	Type II
R-value per inch at 75°F Mean Temperature	C518	3.9	4.2	4.7	4.7
R-value per inch at 40°F Mean Temperature	C518	4.2	4.6	4.9	4.9
R-value per inch at 25°F Mean Temperature	C518	4.4	4.8	5.1	5.1
Flexural Strength (psi)	C203	25	35	25	35
Water Absorption (% by volume) 24 Hour Immersion	C272	1.0	1.0	1.0	1.0
Water Vapor Permeance (perms)	E96	0.3	0.3	0.3	0.3
Surface Burning - Flame Spread	E84	<25	<25	<25	<25
Surface Burning - Smoke Developed	E84	<450	<450	<450	<450
Maximum Use Temperature	-	Short Term (10-15 minutes) 180°F, Long Term 165°F			

<sup>1</sup> ThermalStar LCI is elastic up to 1% deformation. A safety factor of 3 is recommended for long term loads to minimize long term deflection.

## CODE COMPLIANCE

ThermalStar LCI complies with the model building codes when properly installed, as found in the following code reports and classification listings:

- ASTM C578 – (See product marking for type)
- Physical Properties – UL QORW.R16529
- Surface Burning – UL BRYX.R16529
- CAN/ULC-S102.2, S701 – ULC BOZCC.R16529
- International Energy Conservation Code (IECC) – ICC-ES ESR-1962, UL ER16529-01
- International Residential Code (IRC) – ICC-ES ESR-1962, UL ER16529-01
- International Building Code (IBC) – ICC-ES ESR-1962, UL ER16529-01

## WARRANTY

ThermalStar LCI is backed by a limited lifetime warranty for physical and thermal performance, in addition to termite resistance. See separate ThermalStar warranty for terms and conditions.

## STANDARD PRODUCT OFFERINGS

COMPRESSIVE STRENGTH	10 psi, 15 psi
SIZE	4'x8' sheets
LCI THICKNESS	1-3/16", 2-3/8"
LCI GPS THICKNESS	1-1/16", 1-19/32", 2-1/8"

FOR ADDITIONAL RESOURCES, VISIT THE WALL INSULATION SECTION OF OUR WEBSITE [ATLASMOLDEDPRODUCTS.COM](http://ATLASMOLDEDPRODUCTS.COM)

GREATER COVERAGE  
GREATER AVAILABILITY



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