

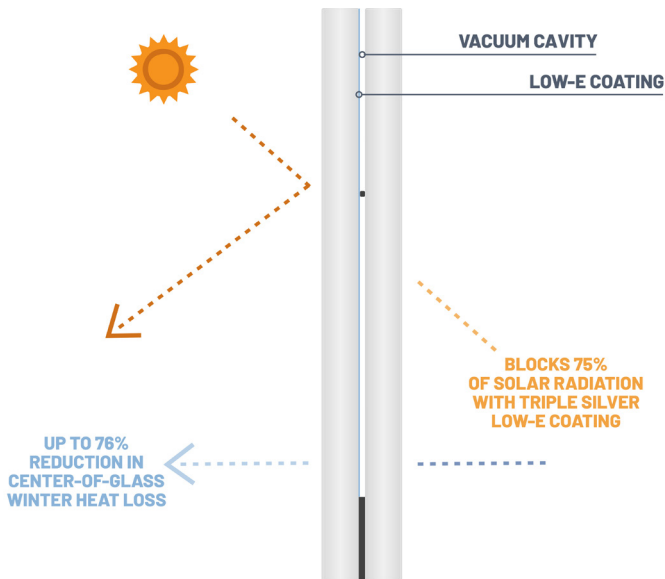


# R18 Transparent Insulation.

Introducing Enthermal™, a groundbreaking innovation in the realm of vacuum-insulated glass. This cutting-edge technology seamlessly combines the sleek aesthetic of a slim design with outstanding insulating performance.

Enthermal is the unmatched product on the market that is fully tempered, carries best-in-class R-value<sup>1</sup>, superior condensation resistance, and a 20-year product warranty. Overall, it is an all-encompassing solution of sustainability, durability, and comfort.

## Enthermal | u-0.055



**R18**

Center of Glass  
Insulation

**77**

Condensation  
Resistance Factor

**0.25**

Solar Heat  
Gain Coefficient

**33+**

Sound Transmission  
Coefficient

**8 mm**

Slim Profile  
Design

**20-Year**

Product  
Warranty

**4.6 kg/ft<sup>2</sup>**

Embodied Carbon  
Emissions

**100%**

Recyclable  
Product

1. Compared to publicly stated competitive performance data as of publication date. • 2. Center of Glass U-Value comparison (0.055 vs. 0.234) to Double Pane IG, 90% argon fill, triple silver Low-E on surface 2.

# Elevating Energy Efficiency.



## Enthermal Glass (8 mm)

### Spectral Performance

Low-E Type	Low - E Surface	Visible Light Trans.	Ext. Visible Light Reflectance	Int. Visible Light Reflectance	UV Trans. (Tuv%)	Color Rendering Index (CRI)
Double Silver	2	72%	11%	12%	20%	96
Triple Silver	2	63%	13%	14%	4%	93

### Energy Performance (Center of Glass)

Low-E Type	Low - E Surface	U-Factor (BTU/hr-ft <sup>2</sup> -F)	R-Value (hr-ft <sup>2</sup> -F/BTU)	Solar Heat Gain Coeff. (SHGC)	Shading Coeff.	Light to Solar Gain (LSG)
Double Silver	2	0.063	16	0.384	0.441	1.88
Triple Silver	2	0.055	18	0.248	0.285	2.53

## Specifications

### Enthermal Dimensions

Maximum | 60" x 96"  
Minimum | 12" x 18"

### Glazing Strength

Tempered & Heat Strengthened

### Enthermal Shapes

Contact LuxWall

### Inboard / Outboard Lite

Clear Glass, Clear Low-E Glass

### Inboard / Outboard Thickness (mm)

4, 5, 6

### Coated Glass Options

Double Silver Low-E  
Triple Silver Low-E

### Bird Friendly Solutions

2" x 2", 2" x 4", and 4" x 4" array with 5 mm or 6 mm dot or square patterns

### Wind Load Resistance

up to 60 psf

### Laminated Glass

PVB Thickness | 0.38 mm and 0.76 mm  
Color | Contact LuxWall

## Test Standards

IGU Thermal Cycling  
Static Air Pressure Difference  
IGU Performance  
IGU Fogging Resistance  
STC Sound Attenuation

ASTM E2264  
ASTM E330M  
ASTM E2188  
ASTM E2189  
ASTM E413

OITC Sound Attenuation  
IGU Salt Spray  
IGU Thermal Transmission  
Wind Load Resistance  
Safety Glazing

ASTM E1332  
ASTM B117  
ASTM C518  
ASTM E1300  
ANSI Z97.1

### Additional performance and aesthetic options are available upon request

LuxWall performance data is calculated in accordance with LBNL Windows 7 program. • Information within this document is subject to change without notice or obligation. • The information contained herein is offered in good faith and believed to be accurate. The stated information should not be used in substitution for customer's tests to ensure our products are safe, effective, and fully satisfactory for the intended end use.

