

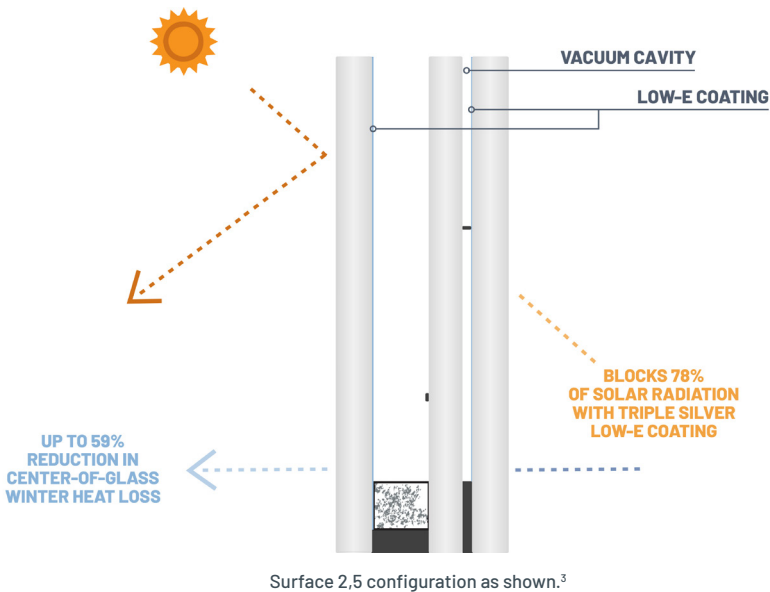
# R21 Transparent Insulation.

Introducing Enthermal™ PLUS, which combines the superior insulating performance of Enthermal VIG with the design flexibility of a third lite. Whether your job calls for bird-friendly solutions, laminated grids glass, or a special aesthetic, your options are endless with Enthermal PLUS.

When it comes to performance, Enthermal PLUS stands far above double pane, triple pane, and all other VIG products on the market. With best-in-class R-value<sup>1</sup>, superior condensation resistance, and a fully tempered makeup, you can design with confidence for extreme conditions.



## Enthermal PLUS | $u=0.047$



**R21**

Center of Glass Insulation

**77**

Condensation Resistance Factor

**0.22**

Solar Heat Gain Coefficient

**35+**

Sound Transmission Coefficient

**25 mm**

Slim Profile Design

**10-Year**

Product Warranty

**8.2 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 (0.047 vs. 0.115) to Triple Pane IG, 90% argon fill, triple silver Low-E on surfaces 2,5. • 3. Cap will face interior of building in Surface 2,4 applications.

# Elevating Energy Efficiency.



## Enthermal PLUS Glass (25mm)

### Spectral Performance

Low-E Type	Low-E Surfaces	Visible Light Trans.	Ext. Visible Light Reflectance	Int. Visible Light Reflectance	UV Trans. (Tuv%)	Color Rendering Index (CRI)
Double Silver	2/4	58%	13%	15%	7%	92
Double Silver	2/5	58%	13%	13%	7%	92
Triple Silver	2/4	44%	15%	17%	0.4%	87
Triple Silver	2/5	44%	15%	15%	0.4%	87

### Energy Performance (Center of Glass)

Low-E Type	Low-E Surfaces	U-Factor (BTU/hr-ft <sup>2</sup> -F)	R-Value (hr-ft <sup>2</sup> -F/BTU)	Solar Heat Gain Coeff. (SHGC)	Light to Solar Gain (LSG)
Double Silver	2/4	0.052	19	0.282	2.06
Double Silver	2/5	0.052	19	0.329	1.77
Triple Silver	2/4	0.047	21	0.169	2.60
Triple Silver	2/5	0.047	21	0.217	2.03

## Specifications

### Enthermal PLUS Dimensions

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

### Third Lite Thickness (mm)

3, 4, 5, 6

### Bird Friendly Solutions

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

### Enthermal PLUS Spacer Options

Super Spacer®  
TPS  
Stainless Steel Box System

### Third Lite Coated Glass

Single Silver Low-E  
Double Silver Low-E  
Triple Silver Low-E

### Laminated Glass

0.33 mm, 0.76 mm, 1.14 mm  
Colors Available Upon Request  
Security Available Upon Request

### Third Lite Glazing Strength

Annealed, Heat Strengthened, and Tempered

### Third Lite Tinted Glass

Gray, Bronze, Green, High Transmission Tints

### Spandrel Solutions

Opacicoat®, Ceramic Frit

## 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.

