

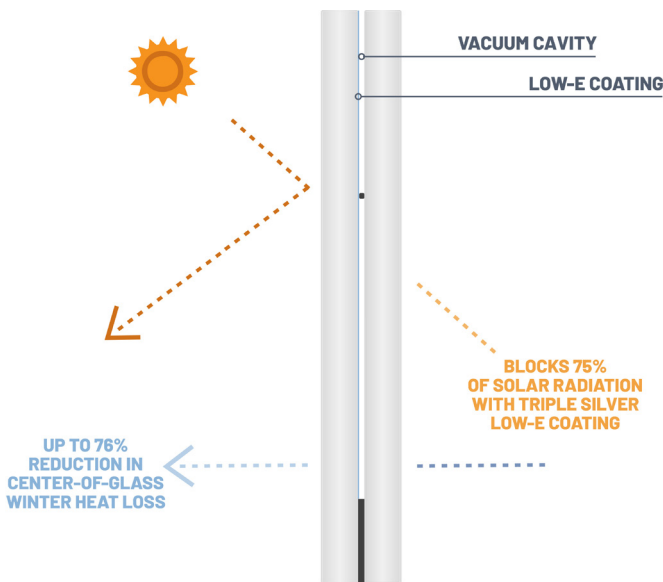


U.33 Transparent Insulation.

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 insulating value¹, superior condensation resistance, and a 20-year product warranty. Overall, it is an all-encompassing solution of sustainability, durability, and comfort.

Enthermal | 0.325 W/m²K



0.325
W/m²K

77
Condensation
Resistance Factor

0.26
Solar Factor (g)

33+
Sound Transmission
Coefficient

8 mm
Slim Profile
Design

20-Year
Product
Warranty

49.5 kg/m²
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 (0.325 vs. 1.33) 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)
Single Silver	2	75%	18%	17%	27%	96
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-Value (Ug) (W/m ² K)	Solar Factor (g)	Shading Coeff. (SC)	Light to Solar Gain (LSG)
Single Silver	2	0.351	0.459	0.528	1.63
Double Silver	2	0.371	0.392	0.451	1.84
Triple Silver	2	0.325	0.256	0.295	2.45

Specifications

Enthermal Dimensions

Maximum | 1.52 m x 2.44 m
Minimum | 0.305 m x 0.457 m

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

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

Bird Friendly Solutions

51 mm x 51 mm, 51 mm x 102 mm, and
102 mm x 102 mm array with 5 mm
or 6 mm dot or square patterns

Wind Load Resistance

up to 2.87 kPa

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.

