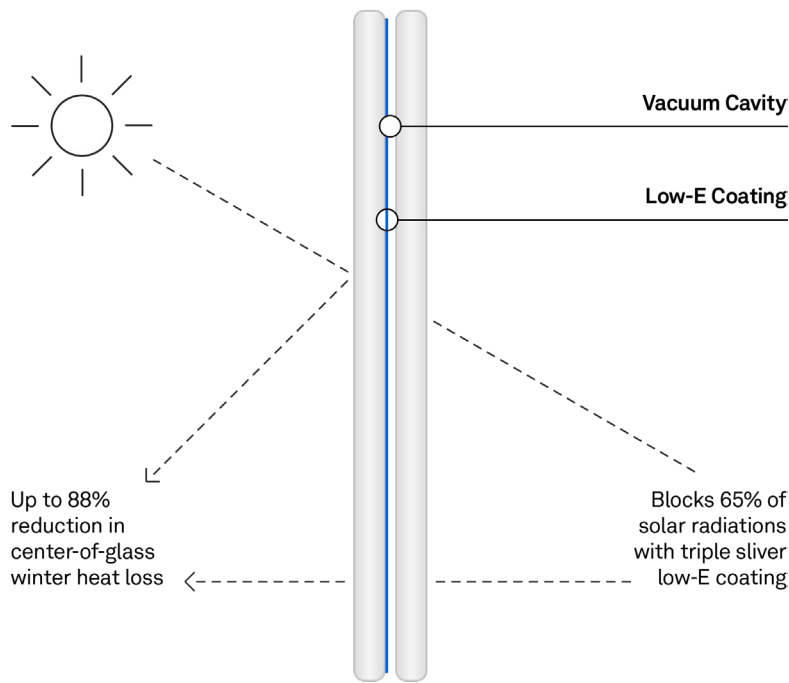


R-18. 8-mm.



**Transparent Insulation™ by LuxWall
is Scienced with Vacuum Insulation Technology**

With a U-factor of 0.055, a 20-year warranty, and fully tempered strength, **Enthermal®** delivers superior thermal performance, energy savings, enhanced comfort, and acoustic control. Its ultra-slim profiles offer endless design options from Glass-Only Retrofits to complete window reglazing. Enthermal delivers exceptional condensation resistance, lower embodied carbon, and sleek modern aesthetics — without compromise.



0.055

U-factor
(BTU/hr-ft²-F)

64%

Visible Light
Transmission (VLT)

0.26

Solar Heat Gain
Coefficient (SHGC)

77+

Condensation
Resistance Factor

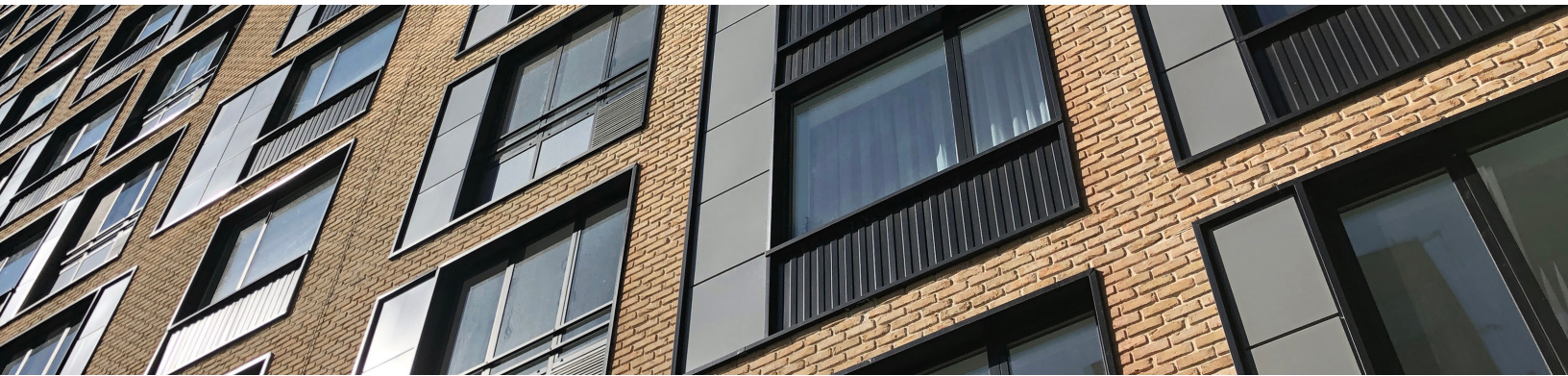
31

Outside Inside Transmission
Coefficient (OITC)

1. Comparing to Double Pane Clear for Glass-Only Retrofit • 2. Center of Glass U-Factor comparison of Enthermal Triple Silver on surface 2 (U-Factor 0.055) vs. Double Pane IG, Air Fill (U-Factor 0.473).

Enthermal®

Product Overview



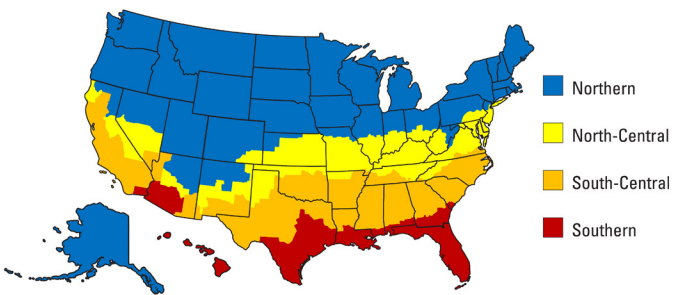
ENERGY STAR® Certification for Residential Windows

ENERGY STAR® is a program run by the U.S. Environmental Protection Agency (EPA) that promotes energy efficiency in consumer products, including windows. ENERGY STAR 7.0 is the latest version of the ENERGY STAR program's requirements for windows.

Enthermal products scienced by LuxWall Transparent Insulation™ technology are engineered to deliver exceptional thermal performance across all ENERGY STAR® climate zones — from the coldest northern regions to the hottest southern environments. By combining advanced vacuum insulation technology with high-performance low-emissivity coatings, Enthermal minimizes heat transfer while optimizing solar control and daylight transmission. The result is a glazing solution that reduces heating demand in cold climates, limits solar heat gain in warm climates, and maintains interior comfort year-round.



ENERGY STAR® for Windows, Doors, and Skylights
CLIMATE ZONE MAP



ENERGY STAR® REQUIREMENTS		C180	C270	C272	C340	C366	C452	SB60	SB70
	U-factor ≤ 0.22, SHGC ≥ 0.17	✓	✓	✓		✓	✓	✓	✓
	U-factor ≤ 0.23, SHGC ≥ 0.35	✓		✓				✓	
	U-factor ≤ 0.24, SHGC ≥ 0.35	✓		✓				✓	
	U-factor ≤ 0.25, SHGC ≥ 0.40	✓							
	U-factor ≤ 0.26, SHGC ≥ 0.40	✓							
	U-factor ≤ 0.25, SHGC ≤ 0.40		✓	✓	✓	✓	✓	✓	✓
	U-factor ≤ 0.28, SHGC ≤ 0.23				✓		✓		
	U-factor ≤ 0.32, SHGC ≤ 0.23				✓		✓		

*Assumptions: Coating surfaces are located on surfaces 2. All panes are 5-mm thickness. Window LBNL calculation method.

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.

