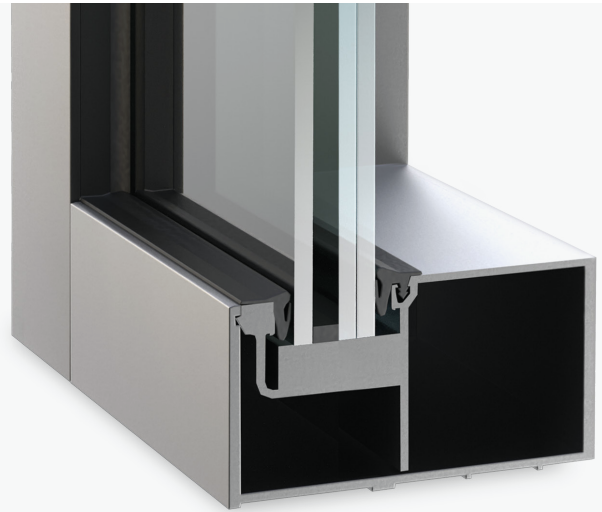


Enthermal Plus® Product Overview



R-23. 25-mm.

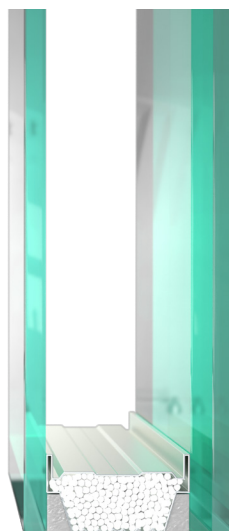


Transparent Insulation™ by LuxWall is Scienced with Vacuum Insulation Technology

Enthermal Plus® represents the next generation of high performance residential and commercial glazing. This 1-inch Transparent Insulation unit integrates LuxWall's vacuum insulation technology with a standard insulating glass unit (IGU) configuration to deliver an exceptional 0.043 U-factor over 5X the insulation of conventional double pane units and 3X the performance of triple pane units. Designed to fit seamlessly into existing 1-inch framing systems, Enthermal Plus requires no redesign or manufacturing changes. The result is dramatically improved energy efficiency, noise reduction, condensation resistance, and year-round occupant comfort while maintaining full compatibility with current window and façade designs.



DOUBLE PANE
25-mm



ENTHERMAL PLUS
25-mm

0.043

U-factor
(BTU/hr-ft²-F)

53%

Visible Light
Transmission (VLT)

0.21

Solar Heat Gain
Coefficient (SHGC)

77+

Condensation
Resistance Factor

Enthermal Plus®

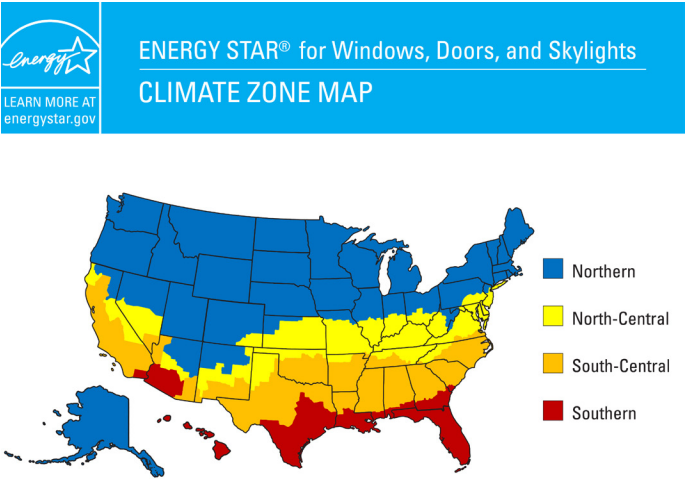
Product Overview



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 Plus 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 and standard IGU systems, Enthermal Plus minimizes heat transfer while optimizing solar control and daylight transmission.



ENERGY STAR® REQUIREMENTS	C180/CLR/C180	C180/CLR/C270	C180/CLR/C272	C180/CLR/C366	C270/CLR/C180	C270/CLR/C270	C270/CLR/C272	C270/CLR/C366	C272/CLR/C180	C272/CLR/C270	C272/CLR/C272	C272/CLR/C366	C366/CLR/C180	C366/CLR/C270	C366/CLR/C272	C366/CLR/C366	SB60/CLR/SB60	SB60/CLR/SB70	SB70/CLR/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 and 5. Outboard 1/2 inch argon cavity 90/10. All lites 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.

