CASCADIA WINDOWS & DOORS AND LUXWALL PARTNERSHIP BRINGS TRANSPARENT INSULATION TO HIGH-PERFORMANCE FIBERGLASS WINDOWS

Langley, B.C. Canada – 2025.06.17: Cascadia Windows & Doors, a manufacturer of high-performance fiberglass window and door solutions and LuxWall, a leader in transparent insulation using vacuum technology, are proud to announce a product partnership. This collaboration will bring to market a groundbreaking ultra-high-performance window system, designed to set new standards in energy efficiency and sustainability.

By integrating LuxWall's **Enthermal Plus™ transparent insulation** into Cascadia's **commercial-grade Universal Series™ fiberglass window frame**, the companies are delivering a revolutionary window product achieving an impressive **R-11+** total window insulating value. This represents a substantial improvement over traditional **vinyl, wood, wood clad, and aluminum windows**, which typically range from R-2 to R-4 total window insulating value. The result is a window solution that significantly enhances thermal performance, reducing energy consumption and operational costs for buildings across North America.

"As energy codes become increasingly demanding and the need for ultra-efficient buildings grows, we are committed to offering the best-performing window solutions possible," said **Mike Battistel, President at Cascadia Windows & Doors**. "The combination of LuxWall's groundbreaking Enthermal™ transparent insulation and our fiberglass frames creates a window with energy performance levels that are truly transformative."

Cascadia's **Universal Series™ windows** are already recognized for their strength, durability, and exceptional thermal efficiency. Now, with the addition of LuxWall's **Enthermal Plus™ technology**, these windows will push the limits of performance even further, helping architects, builders, and property owners meet stringent energy codes while reducing carbon footprints.

"Our collaboration with Cascadia Windows & Doors represents a major step forward for energy-efficient building design," said **Scott Thomsen, Co-Founder and CEO of LuxWall**. "LuxWall's Enthermal™ and Enthermal Plus™ transparent insulation is designed to provide superior thermal insulation and sustainability benefits, and when paired with Cascadia's industry-leading fiberglass frames, we are delivering an unmatched level of performance to the market."

Glass Replacement for Energy Upgrades
In addition to combining the Universal Series™ with Enthermal Plus™ VIG as a complete window system, Cascadia will also offer **glass-only retrofits or secondary window system retrofits, in which LuxWall's Enthermal™** is installed directly into existing window frames. This retrofit option enables commercial building owners to significantly upgrade their thermal performance without the need for a complete window or envelope rehabilitation.

"Retrofitting existing older windows with high-performance glass can be a cost-effective way to improve energy efficiency and minimize tenant disruption," said **Battistel**. "By integrating LuxWall's Enthermal™ into existing windows, we're providing a powerful solution to reduce energy costs and carbon emissions for commercial buildings that might otherwise struggle to meet modern efficiency standards, such as Energize Vancouver."

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ABOUT CASCADIA WINDOWS & DOORS:

Cascadia Windows & Doors is a leading manufacturer of high-performance fiberglass windows and doors, offering industry-leading thermal performance and durability. The company is committed to providing innovative, energy-efficient solutions for commercial and residential buildings.

Learn more at www.cascadiawindows.com

ABOUT LUXWALL:

Located in Ypsilanti, MI, USA, LuxWall is focused on product development, scaling, and commercialization of innovative energy-efficient glass products and solutions for the built environment. LuxWall's transparent insulation technology, Enthermal™, provides a step change in energy performance by significantly reducing convective, conductive, and radiative heat gain and heat loss in buildings.

Learn more at www.luxwall.com