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**Kolbe officially launches LuxWall vacuum insulating glass options**

Wausau, Wisconsin (August 2025) – Kolbe Windows & Doors officially launched its latest performance glass solutions, integrating vacuum insulating glass (VIG) options from LuxWall, Inc. into selected window and door products. This milestone reinforces Kolbe’s commitment to delivering high-performance, energy-efficient solutions to the market.

“Innovative and adaptable solutions like the VIG from LuxWall reflect Kolbe’s ongoing commitment to pushing the boundaries of performance and design,” said Jeff De Lonay, president of Kolbe Windows & Doors. “Our partnership with LuxWall empowers architects and builders to meet energy goals while maintaining aesthetic and functional flexibility.”

Unlike standard insulated glass units that use air, argon or krypton, VIG features a small, virtually airless vacuum space between two panes of glass.This construction creates improved thermal insulation, making it well-suited for comfort-enhancing, energy-efficient upgrades in both new construction and replacement applications, including historic restoration projects, single- and multi-family residential developments, and commercial settings where additional constraints and standards may need to be met.

LuxWall’s VIG offerings include:

* **Enthermal™**: A two-pane tempered glass system with a vacuum space and one Low-E coating.
* **Enthermal Plus™**: A three-pane tempered system with a vacuum space, two Low-E coatings and additional customization options.

Engineered with a proprietary design, the edge seal used in LuxWall’s vacuum insulating glass stands apart from conventional dual-pane unit glass spacers with its notably smaller size and unique, durable construction.

Available in rectangular shapes, Enthermal and Enthermal Plus can scale in sizes ranging from 12 by 18 inches up to 60 by 96 inches. Both options can be specified with performance divided lites.

Enthermal and Enthermal Plus are currently available in Ultra Series and VistaLuxe® WD LINE windows and doors, including swinging, folding and sliding door styles. Looking ahead, Enthermal or Enthermal Plus options will also be made available in selected products from Kolbe’s Forgent® Series, Heritage Series and VistaLuxe® AL LINE, continuing the company’s commitment to innovation across its product offerings.

Certified performance values confirm that Kolbe’s window and door systems that utilize VIG perform significantly better than those with the best performing dual-pane argon-filled insulating glass units. Compare a selection of values for systems featuring dual-pane argon-filled insulating glass units, Enthermal and Enthermal Plus with argon in the following table.

*(continued)*

**Comparison of Certified U-Values within Kolbe Products**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Dual**  **Pane** | **Triple**  **Pane** | | | **Enthermal** | **Enthermal**  **Plus** | |
| Ultra Series Crank-out Casement | 0.28 | 0.27 | | | 0.24 | 0.20 | |
| Ultra Series Crank-out Casement Picture | 0.25 | 0.24 | | | 0.17 | 0.15 | |
| Ultra Series Push-out Casement | 0.29 | --- | | | 0.25 | 0.22 | |
| Ultra Series Push-out Casement Picture | 0.25 | --- | | | 0.18 | 0.16 | |
| Ultra Series Sterling Double Hung | 0.27 | 0.26 | | | 0.21 | 0.18 | |
| VistaLuxe® WD LINE Casement Picture Direct Set | 0.18 | 0.17 | | | 0.16 | 0.12 | |
| VistaLuxe® WD LINE Direct Set | 0.23 | 0.16 | | | 0.14 | 0.11 | |
| Ultra Series Inswing Entrance Door (1-3/4” Panel) | 0.27 | --- | | | 0.22\* | 0.21\* | |
| Ultra Series Outswing Entrance Door (1-3/4” Panel) | 0.29 | --- | | | 0.25\* | 0.19\* | |
| Ultra Series Inswing Entrance Door (2-1/4” Panel) | 0.24 | 0.20 | | | 0.21\* | 0.18\* | |
| Ultra Series Outswing Entrance Door (2-1/4” Panel) | 0.27 | 0.22 | | | 0.23\* | 0.20\* | |
|  |  | |  |  | | |  |

*\* This indicates a computer simulated U-value.*

To view a full list of Kolbe products and performance values, visit the Energy Performance Resource page at [kolbewindows.com/resources/professional-tools/energy-performance](https://kolbewindows.com/resources/professional-tools/energy-performance). New product types featuring VIG glass options will be added to the database weekly.

Kolbe and LuxWall began their partnership in February 2024, united by a shared vision to redefine window and door performance. With fenestration playing a critical role in a building’s energy profile, Kolbe’s VIG offerings help customers reduce energy waste without compromising design.

“Extensive testing and verification processes have shown that Enthermal and Enthermal Plus are capable of addressing essential window and door performance needs today,” said John Budzynski, product certification manager at Kolbe. “Energy codes are evolving. Building trends are changing. Renovation goals are transforming. With novel, consistent and flexible options like Enthermal and Enthermal Plus, Kolbe is more prepared than ever to ensure our customers can design, build and live with the future in focus.”

[Contact a local Kolbe partner](https://www.kolbewindows.com/where-to-buy) to learn more about incorporating LuxWall’s Enthermal and Enthermal Plus into current and future projects.

*What began in 1946 as a* [*two-brother team*](https://www.kolbewindows.com/our-story) *has grown into an internationally respected manufacturing company. Kolbe Windows & Doors is one of the nation’s leading manufacturers of* [*windows and doors*](https://www.kolbewindows.com/product-lines) *for residential and* [*commercial*](https://www.kolbewindows.com/solutions/commercial-buildings) *markets. After nearly 80 years, Kolbe products are best known for superior quality, custom* [*craftsmanship*](https://www.kolbewindows.com/solutions/craftsmanship)*, attention to detail, as well as innovative and unique designs.*

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