BarrierXP® TK2 Plus

ENERGY-ENGINEERED TRIPLE-PANE INSULATED GLASS PACKAGE

THE ULTIMATE CHOICE FOR IMPROVED ENERGY EFFICIENCY

GENTEK®

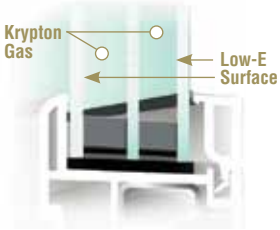
BarrierXP® TK2 Plus

Maximize Your Windows' Energy-Saving Performance with Krypton Insulating Gas

ENERGY STAR PARTNER

Ask your Gentek Sales Representative about BarrierXP TK2 Plus qualified products.

Did you know that an average household spends more than 40% of its annual energy budget on heating and cooling costs? Choosing energy-engineered vinyl replacement windows for your home can be a key factor in helping to reduce your energy consumption, while also achieving a more balanced and comfortable indoor climate.

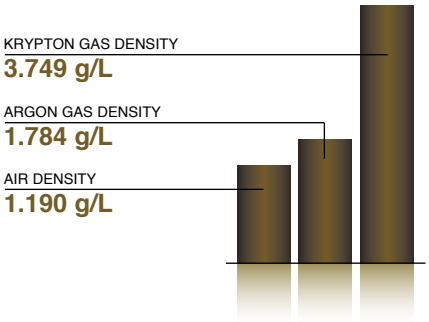


Windows are roughly 80% glass, so it's essential to choose a glass system that helps block heat from escaping in the winter and keeps cool air in during the summer. Revere windows with the BarrierXP TK2 Plus glass package† feature triple-pane glass with the Warm-Edge Structural Foam Spacer System, two surfaces of low-emissivity (Low-E) glass and two air spaces filled with krypton gas. Combined with a high-performance window construction and insulating components, this glass system creates a powerful thermal shield against energy loss and helps reduce noise infiltration.

Compare the performance of BarrierXP TK2 Plus to other glass packages and you'll see why it's a smart choice for you – and a positive step for the environment.

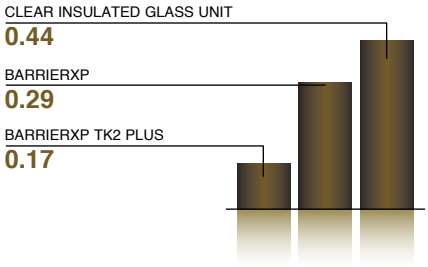
IMPROVED THERMAL BARRIER

Insulated glass units were initially filled with air or dry nitrogen. It was later discovered that a dense, slow-moving gas would help to minimize the convection currents within the space, thereby reducing conduction and the transfer of heat. These inert, colorless, odorless and safe gasses substantially improve the thermal performance of a window. As shown in this chart, using a grams-per-liter measurement, the BarrierXP TK2 Plus insulated glass unit with two chambers of krypton gas will insulate nearly 110% better than a unit filled with argon gas.



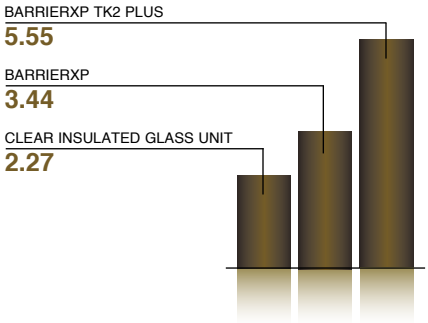
INCREASED WINTER U-FACTOR PERFORMANCE*

The U-Factor (also referred to as U-Value) is a number that represents the rate of heat flow through a glazing system. The lower the U-Factor, the greater a window's resistance to heat flow and the better its insulating value. This performance is especially critical to keeping homes energy efficient during cold winter months. As shown in the side-by-side comparison, the BarrierXP TK2 Plus insulated glass unit built with two panes of multi-layer, low-emissivity (Low-E) glass will outperform the standard clear unit by over 50%.



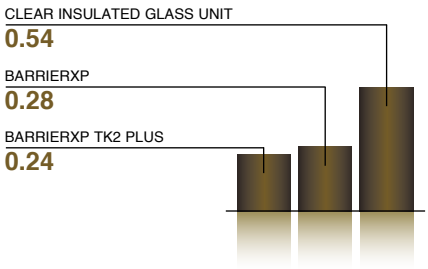
HIGHER R-VALUE FOR SUPERIOR ENERGY EFFICIENCY*

R-Value represents a material's resistance to heat flow and its ability to insulate. It is the inverse of a U-Factor (R=1/U) and is expressed in terms of hr sq-ft °F/Btu. The higher the R-Value, the better the window's insulation performance. Typically, window R-Values range from 0.9 to 3.0. As shown in this chart, a Gentek 0501 window with the BarrierXP TK2 Plus insulated glass package is nearly 145% more energy efficient than a standard double-pane unit.



IMPROVED SOLAR HEAT GAIN PERFORMANCE*

The Solar Heat Gain Coefficient (SHGC) measures how well a window blocks heat from the sun. SHGC is expressed as a number between 0 and 1 – the lower the SHGC, the better the window is at preventing unwanted heat from penetrating your home. This protection is particularly important during the summer cooling season and in climates that rely heavily on air-conditioning. As shown in the comparison chart, the BarrierXP TK2 Plus glass unit outperforms the standard clear insulated unit by as much as 125%.



*Performance based on whole window values of a 0501 double hung window.

GENTEK®
GENTEK BUILDING PRODUCTS, INC.

3773 State Road, Cuyahoga Falls, Ohio 44223
www.gentekinc.com

Make us a part of your home.

†Insulated glass units that require capillary tubes may experience some argon gas depletion. All specifications and designs subject to change without notice. Due to product changes, improvements and other factors, Gentek reserves the right to change or delete information contained herein without prior notice. ENERGY STAR name and logo are registered U.S. marks and are owned by the U.S. government. USGBC and related logo is a trademark owned by the U.S. Green Building Council and is used by permission.

Please recycle.

Qty, ptr