HIGH-PERFORMANCE TRIPLE-PANE INSULATED GLASS PACKAGE

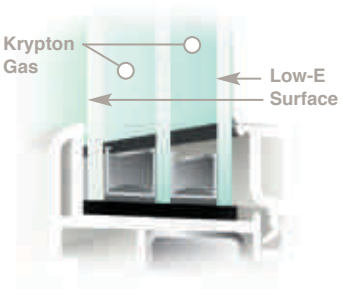
Window World SolarZone TK2

Choosing energy-efficient windows can not only put substantial savings back in your pocket by lowering energy bills, it also helps protect the planet by reducing the consumption of fossil fuels.

It's important to select a glass package that will help shield your home from absorbing outside heat in the summer and losing indoor heat in the winter. The key to achieving maximum energy savings is the Window World SolarZone TK2 triple-pane insulated glass package, our highest performing glass package option.

Window World SolarZone TK2

Best-in-Class Energy Savings with SolarZone TK2 Insulated Glass.



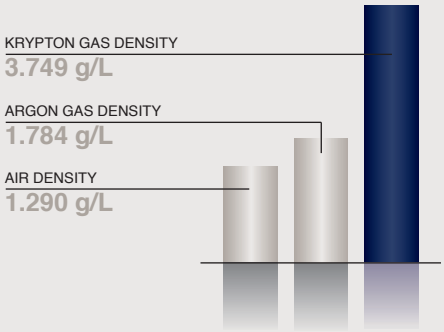
Windows are roughly 80% glass, so it's essential to choose a glass package that delivers superior protection year-round – blocking heat from escaping in the winter and keeping cool air in during the summer. High-performance insulated glass helps ensure a more balanced, comfortable climate with reduced annual fuel costs.

SolarZone TK2 insulated glass, which incorporates the most advanced insulated glass technology, is your best defense in achieving maximum energy efficiency. This triple-pane unit features the PPG Intercept® Warm-Edge Spacer System, two surfaces of low-emissivity (Low-E) glass and two airspaces filled with krypton gas.

When you compare the performance properties of SolarZone TK2 to other insulated glass options, you'll see why it's a smart choice for you and a healthy choice for the environment.

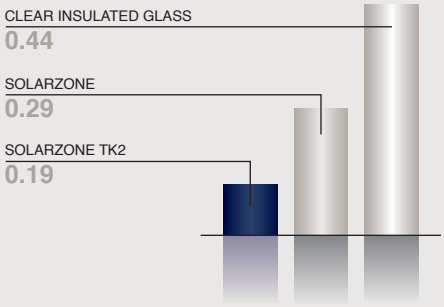
Improved Thermal Performance.

In the past, insulated glass units were filled with air or dry nitrogen. It was later discovered that denser, slower moving gasses would minimize the convection currents within the space between the panes of glass, 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 SolarZone TK2 insulated glass unit with two chambers of krypton gas will insulate nearly 110% better than a unit filled with argon gas.



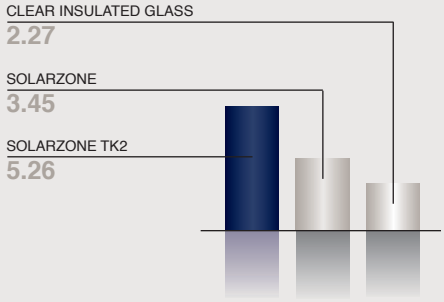
Superior U-Factor Performance in Winter.*

U-Factor (also referred to as U-Value) 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 SolarZone TK2 insulated glass unit built with two panes of multi-layer, low-emissivity (Low-E) glass will outperform the standard clear unit by 57%.



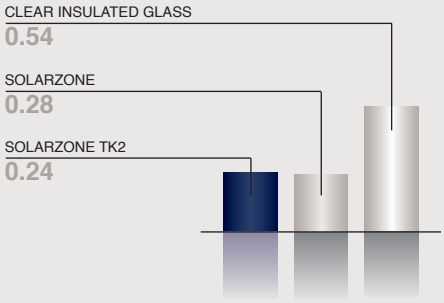
Powerful Insulating R-Value.*

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 Window World 6000 Window with the SolarZone TK2 insulated glass package is nearly 132% more energy-efficient than a clear insulated glass unit.



Protective Solar Heat Gain Performance.*

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 prevents unwanted heat from penetrating your home. This protection is particularly important during the summer and in climates that rely heavily on air-conditioning. As shown in the comparison chart, the SolarZone TK2 glass unit outperforms the standard clear insulated unit by 56%.



*Performance based on whole window values of a Window World 6000 Double-Hung Window.

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