



ENVIRO

S T A R

By Okna Windows



Double Hung

With the Enviro-Star windows, we are pleased to provide a breakthrough product which offers a myriad of glass and structural options to seamlessly blend with any decor while providing exceptional energy efficiency.

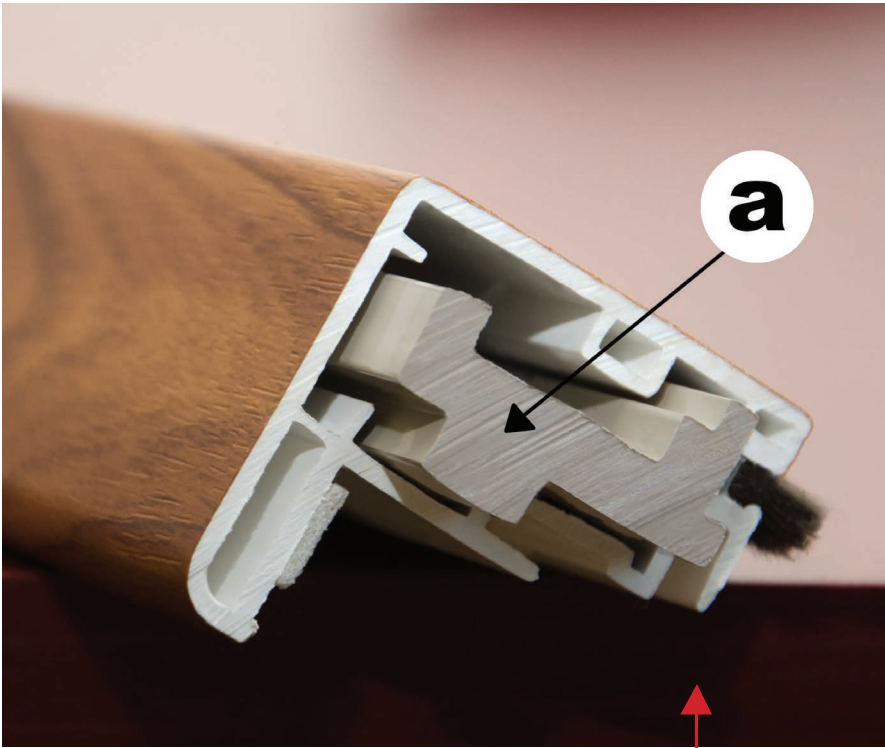
The real secret of this window's performance is its exceptionally low air infiltration ratings which can lower the energy consumption of a typical home by 25 – 40%. This unique feature, combined with our HeatSeal Glass Package or HeatSeal Super Glass Package, offers superior thermal performance and exceeds the most rigorous Energy Star requirements.

Enviro-Star windows provide a refined, traditional wood window finish without the maintenance, making this window a sophisticated choice.



Metal handle, available in four color options, gives a refined, traditional look.

Double Hung

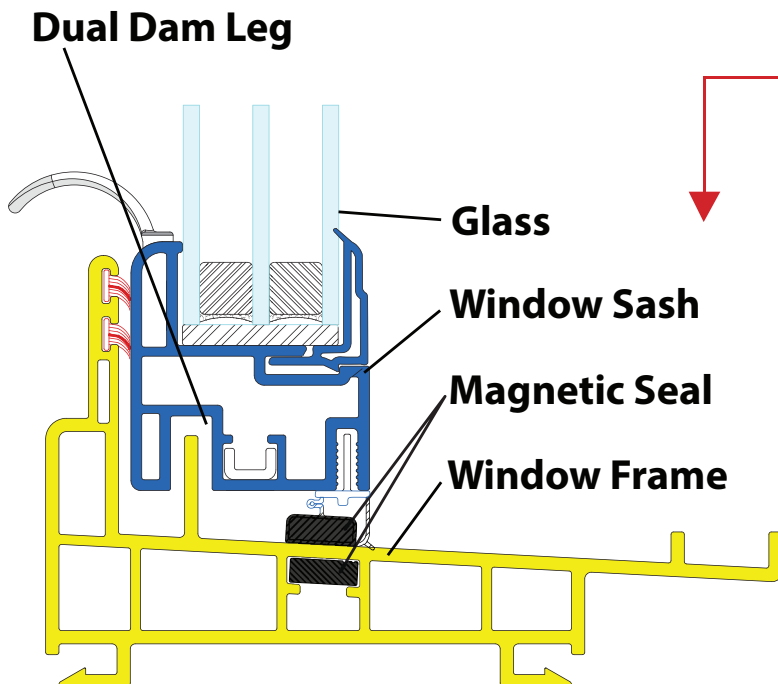


The Double Hung is the most common window style used in homes in the USA. The following features are the reasons why Enviro-Star windows stand out above the rest.

- Fully 3 1/4" depth welded mainframe with an elegant, beveled profile.
- Full integral interlock with double weather-stripping. Triple weather-stripping on every sash stile to make the window more air tight.
- A variety of hardware options fits harmoniously into any decor.
- Vent latches allow for ventilation. Both sashes can remain partially open. Vent latches are not available on laminated windows.

• Additional high density composite reinforcement (a) inside the locking sash makes our windows structurally stronger than others available on the market.

• Magnetic Seals (shown in black), similar to those used in refrigerators, drastically reduces drafts and greatly improves the thermal performance of our windows.



PowerLift™ allows smooth window operation.

(Block-and-Tackle) balance system used in our windows can achieve life cycles as high as 28,000 cycles. Constant Force commonly used by other window manufacturers only achieves 5,000 cycles.*

Constant Force

5,000

Power Lift 28,000

* Based on test performed by BSI Hardware-Amesbury Group



For more information on Enviro-Star Double Hung Windows, go to www.oknawindows.com



For more information on Enviro-Star Sliding Windows, go to www.oknawindows.com

Sliding Window

The Sliding Window is a popular style for today's homes. The Enviro-Star Sliding Window combines a sleek design for more glass viewing area and exceptional performance.

- Fusion welded sash and frame corners for excellent performance. Sill on sliding window contains 4 weep holes for enhanced water drainage. (Img. 1)
- The sliding window features a handle style based on traditional wood windows. (Img. 2)
- Double weather-strip system around sliding sash for enhanced performance and reduced air infiltration.
- Double weather-stripped interlock designed for excellent insulating performance.
- Standard Smooth Glide System uses brass wheels to allow the sliding window to smoothly glide across its track. The EZ Glide System is available for optional upgrade.
- Multi-chamber design that buffers interior and exterior temperatures.
- Standard factory-installed bumpers ensure quiet operation.
- Dual heavy duty cam lock & keeper on windows over 24 inches high for added security.



EZ Glide System (Optional)

Enjoy the ease of opening Enviro-Star Sliding Windows! Our EZ Glide Track System contains an anodized aluminum track and precision ball bearing wheels to provide a smoother glide and easier operation, especially with oversized and triple pane units. The image below showcases how the EZ Glide System operates on your sliding window.

Options

Double Hung and Sliding Window Locks



Euro-White
(Standard)



Adobe Gray
(Standard on all laminates)



Antique Brass
(Optional)



Brushed Nickel
(Optional)

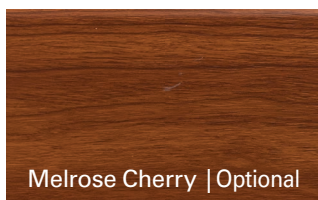
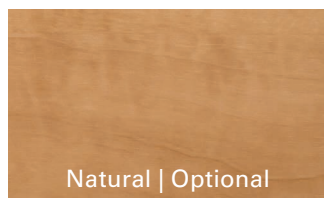


Bronze
(Optional)

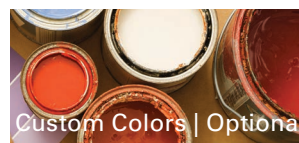
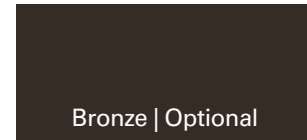
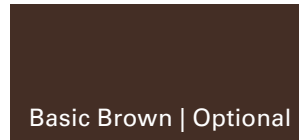
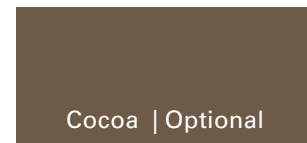
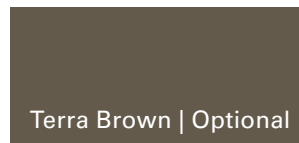
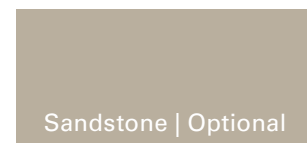
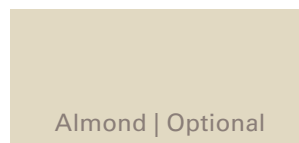
Okna Windows offers five beautiful internal laminates in addition to the standard Euro-White to give your home a distinct look and enhance its curb appeal. You can also special order custom exterior colors from a virtually unlimited selection of paints. Our paints are environmentally safe and durable, giving your exterior a vibrant and long-lasting color finish.

Vent latches are not available with interior laminate colors.

Interior Colors



Exterior Colors



All colors except Euro-White are available at an additional charge. Printed colors may not match the product's actual color. Please visit a local dealer to view actual color samples.

****All painted Double Hung and Sliding Windows must have a full screen.****

Grids

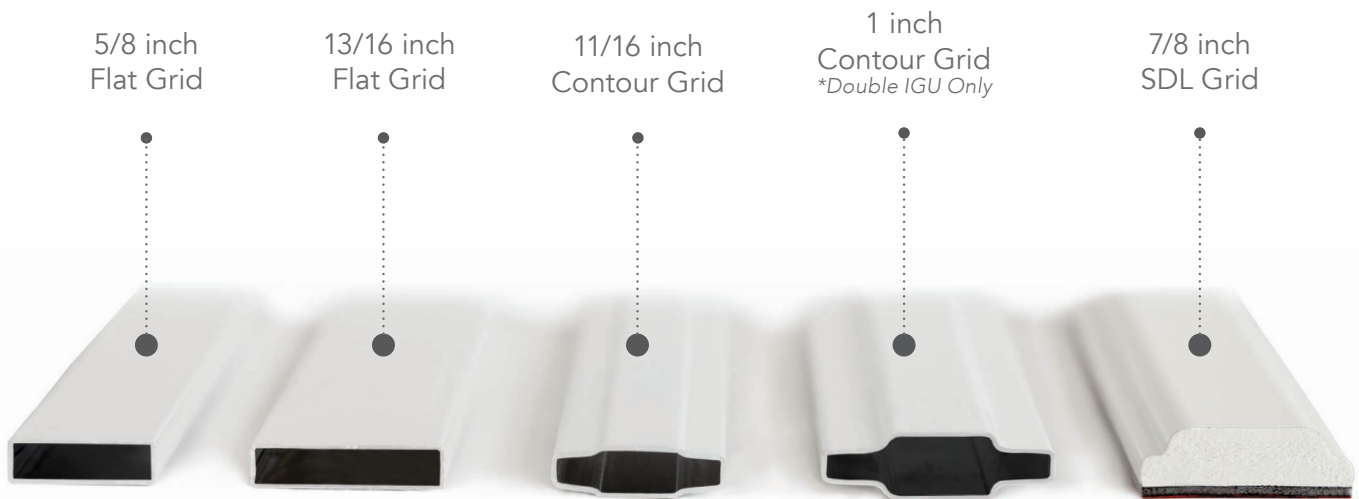
Looking for a stunning design to instantly set your home apart both inside and out? A choice of decorative grids can highlight the architectural style that speaks to you.

GBG (grids between glass) consist of aluminum bars sealed in the insulating airspace between the two panes of glass. Because the interior and exterior glass surfaces are not affected, cleaning your windows is a much easier task. GBG grids on two tone windows are available with matching interior and exterior colors.

Simulated Divided Lites (SDL)

Permanent interior and exterior grids will provide a truly authentic look. Interior grids are available in a Euro-White color or Wood Laminate. External grids are available in Euro-White or colors to match products exterior.

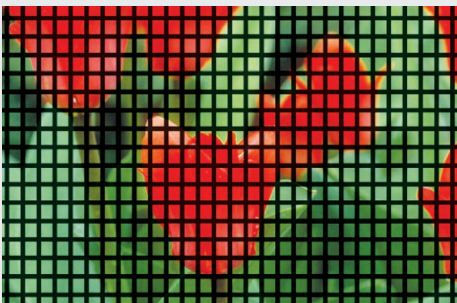
SDL not available with triple pane glass packages.



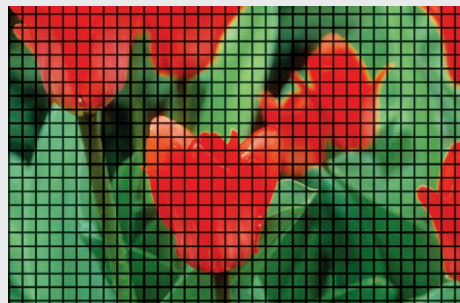
Screen

ThruVision Plus® is our fiberglass improved visibility screen. This product does for windows and doors what high-definition technology has done for television viewing; it improves the view by making it sharper and more vivid.

** Insect screen cannot support significant amounts of weight. Please keep small children and pets away from windows.*



Industry Average Screen



ThruVision PLUS®
Standard on all Enviro-Star Windows



Optional locking screen provides an additional safety measure.*

Thermal Performance (U-Value)

	Double Hung	Slider	Picture	Energy Star Requirement*
HeatSeal Glass Package				
Clear Glass	0.44	0.44	0.45	0.27
Energy Saving Package	0.27	0.28	0.27	0.27
Deluxe Package	0.26	0.26	0.25	0.27
HeatSeal Super Glass Package				
Energy Saving Package	0.22	0.21	0.20	0.27
Deluxe Package	0.20	0.20	0.19	0.27

*Northern Climate Zone

Deluxe Energy Savings Package

- HeatSeal Glass Package
- Double Pane Glass Unit
- Foam Filled Extrusions
- Locking Screen

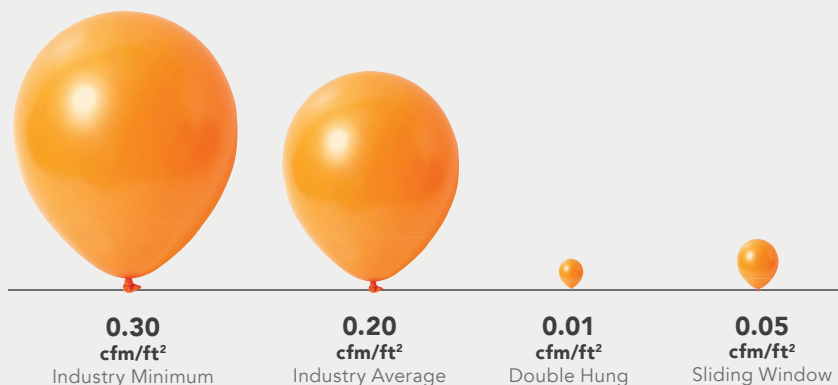
U-Value	0.26
SHGC	0.29
VT	0.52
CR	62



Air Infiltration and Structural Performance

Air Infiltration/drafts is a term used to describe the air leaking into or out of your home through the window frames. The graph shows the amount of air in cubic feet that may come through the window at speeds of 25mph.

The results are based on a tested window sample by AAMA testing window guidelines. Title of Test & Method: Air Infiltration - ASTM E 283 75 PA - (1.6 psf) 25 mph



	Industry Minimum	Double Hung	Sliding Window
AAMA Rating resistance to wind	R15	R60	R50
Air Infiltration (cfm/ft²) at speeds of 25mph.	0.30	0.01	0.05
Water Penetration (mph) 8" per hour	33	59	62
Structural Integrity (mph) Wind load	94	187	171

Super Deluxe Energy Savings Package

- HeatSeal Super Glass Package
- Triple Pane Glass Unit
- Foam Filled Extrusions
- Locking Screen

U-Value	0.20
SHGC	0.25
VT	0.41
CR	73



SunSeal Deluxe Energy Savings Package *

- SunSeal Glass Package
- Double Pane Glass Unit
- Foam Filled Extrusions
- Locking Screen

U-Value	0.26
SHGC	0.21
VT	0.41
CR	63

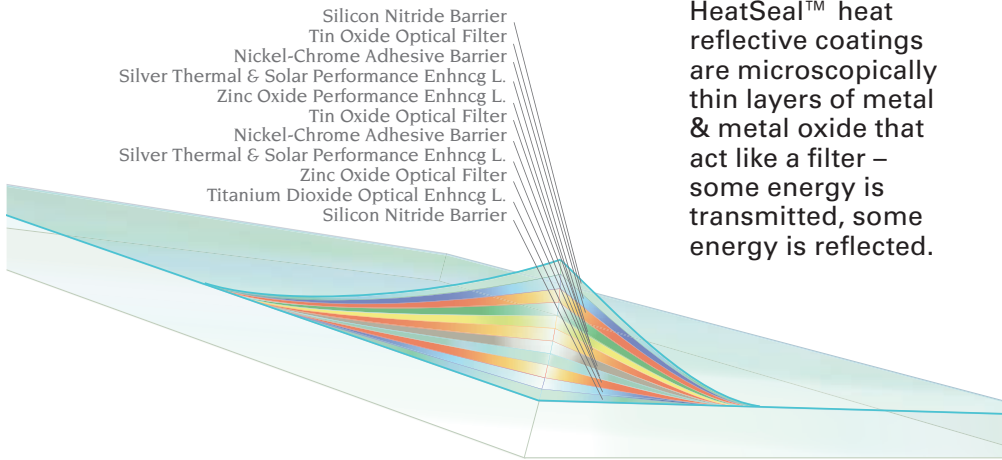


*SunSeal Glass Package is designed for homes in the southern climate.

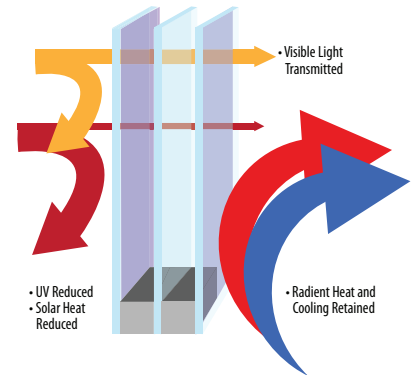
The Glass Unit

The glass unit is one of the most important elements of your new window. It is about 90% of the whole window. Your decision will dramatically effect your living comfort and expenses for many years.

High Performance Reflective Glass Coatings



HeatSeal Super Glass

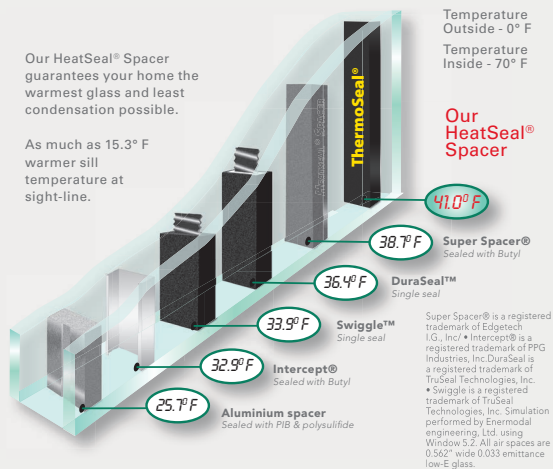


In climates where heating and cooling are the primary concern, HeatSeal Glass products are designed to take advantage of free solar heat, resulting in higher inside glass temperature. Passive solar and thermal insulation reduce the draft sensation caused by cold glass surfaces, providing windows that reduce heating costs.

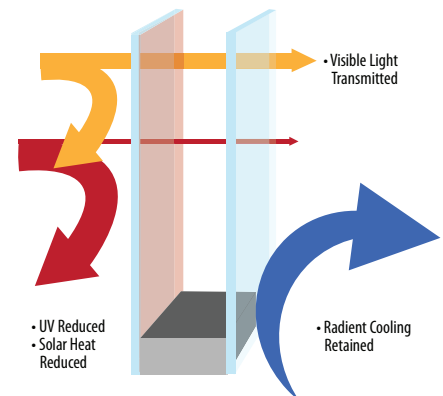
High Performance HeatSeal Spacer

The glass panes are separated by a “spacer”. A spacer is the piece that is located between panels of glass in an insulating glass system. Its main function is to seal the gas space between them. Majority of windows, unlike Okna Windows, are made with metal spacers. The main disadvantage to metal spacers is energy loss and condensation.

Our HeatSeal® Spacer and sealant system is made with six individual non-metallic components. Produced in a controlled factory setting and comes ready to use, out of the box: no assembly and no adding other components. Used in Okna’s state-of-the-art robotic assembly line using a one-step process where units are sealed using heat and compression. Our HeatSeal® Spacer guarantees your home the warmest glass and least condensation possible.



SunSeal Glass



In climates where cooling is your main concern, SunSeal Glass products are designed to reduce solar heat while still providing color-neutrality. This solar control property, combined with thermal insulating benefits, results in beautiful, natural-looking glass that helps keep air conditioning costs low.

Examples of Condensation:
A good quality spacer can significantly reduce condensation in comfortable humidity levels. Water and ice forming can lead to mold growth.



It's Easy To See Why So Many People Are Insisting On Enviro-Star



Our classically refined Enviro-Star windows offer a traditional wood window look without most of the wood window maintenance responsibilities. A streamlined design, packed with a variety of features, makes the Enviro-Star a sophisticated choice.



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