



ENVIRO - STAR



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 décor 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.

With the Enviro Star window, we are pleased to provide a classically refined traditional wood window look without most of the maintenance and responsibilities which makes this window a sophisticated choice.

Double Hung

- Fully 3 1/4" depth welded mainframe. The elegant, beveled profile of our 800 Series will enhance the beauty of your home's exterior by giving it the traditional look and feel of wood windows with the performance and ease of maintenance you can only get with vinyl windows. The 800 Series can also be painted to match any exterior. (Img. 1)



- HeatSeal warm edge spacer system is used for excellent thermal efficiency and drastic reduction in the possibility of condensation on the inside of the window.

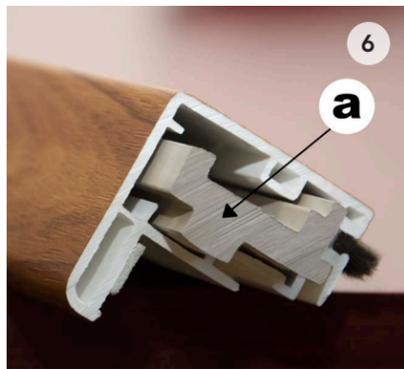


- Full integral interlock with double weather-stripping.

- Constructed to represent a traditional wood window style. The smallest details, such as the rounded beveled edges of the glazing bead, are a nod to the classic. (Img. 2)

- A variety of hardware options fits harmoniously into any décor. (Img. 3-4)

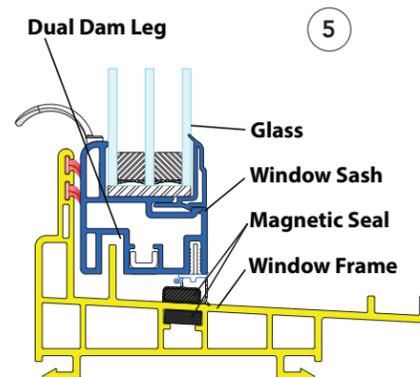
- Magnetic Seals (shown in light blue), drastically reduces drafts and greatly improves the thermal performance of our windows. (Img. 5)



- Triple weather-stripping on every sash stile to make the window more air tight.

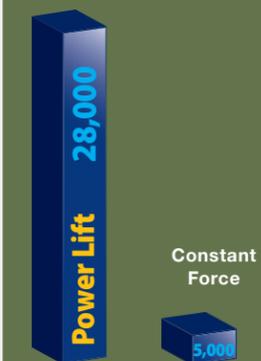
- Additional high density composite reinforcement (a) inside the locking sash makes our windows structurally stronger than others available on the market. (Img. 6)

- Vent latches allow for ventilation with an added measure of security while you are at home. Both sashes can remain partially open and the latches help prevent the window from being opened more than five inches.



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.*



* Base on test performed by BSI Hardware-Amesbury Group

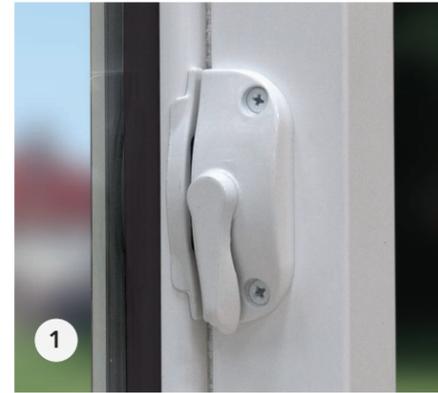


GREAT ENGINEERING - BEAUTY - IMPRESSIVE RESULTS



Sliding Window

The slider 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.



Added Features of the Sliding Window System.

- Dual heavy duty cam lock & keeper on windows over 24 inches high for added security. (Img. 1)
- The slider features a handle style based on traditional wood windows. (Img. 2)
- Standard factory-installed bumpers ensure quiet operation. (Img. 3)
- Brass wheels allow the slider to smoothly glide across its track. (Img. 4)
- The EZ Glide System (optional) contains an anodized aluminum track and precision ball bearing wheels for smoother glide and operation especially with oversized and triple pane units. (Img. 5)

Features Delivering Exceptional Insulating Performance.

- Multi-chamber design that buffers interior and exterior temperatures.
- Double weather-strip around sliding sash for enhanced performance and reduced air infiltration.
- Double weather-stripped interlock designed for excellent insulating performance.
- HeatSeal warm edge spacer system for excellent thermal efficiency and drastic reduction of the possibility of condensation on the inside of the window.

Features Delivering Exceptional Wind and Water Resistance.

- Fusion welded sash and frame corners for excellent performance.
- Sill on sliding window contains 4 weep holes for enhanced water drainage.

Double Hung and Sliding Window Locks



Euro-White
(Standard)



Brushed Nickel
(Optional)



Antique Brass
(Optional)



Matte Bronze
(Optional)

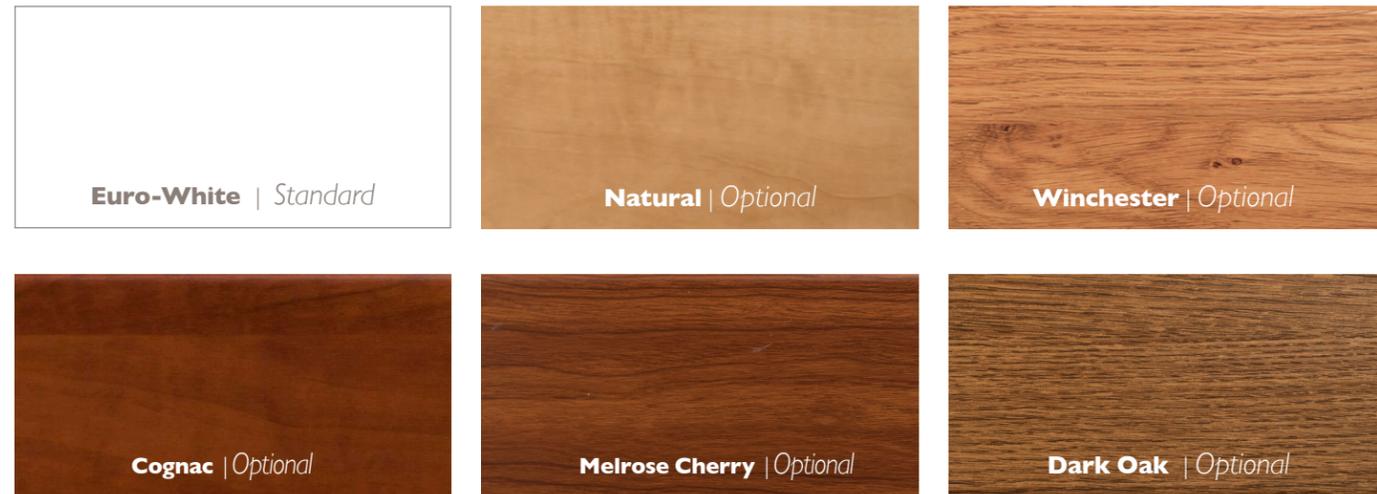


Adobe Gray
(Standard on all laminates)

Colors and Options

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



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.



Industry Average Screen



ThruVision PLUS®
Standard on all Enviro Star Windows



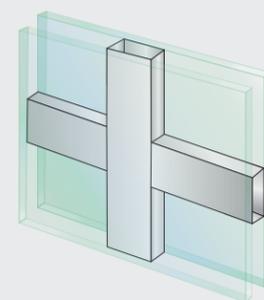
Optional locking screen provides an additional safety measure.*

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

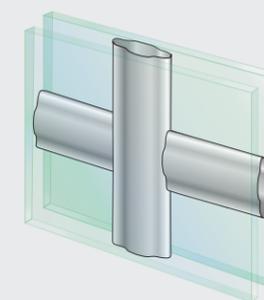
Grids

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.

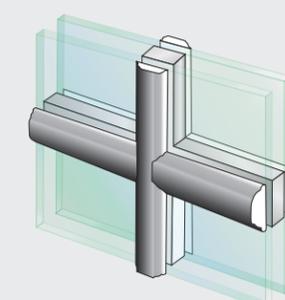
GBG (grids between glass) consist of aluminum bars sealed in the insulating airspace between the two panes of glass. Because the interior and exterior glass surfaces are not affected, cleaning your windows is a much easier task. GBG grids on two tone windows are available with matching interior and exterior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



Flat Grids between glass



Contour Grids between glass



Simulated Divided Lites (SDL)

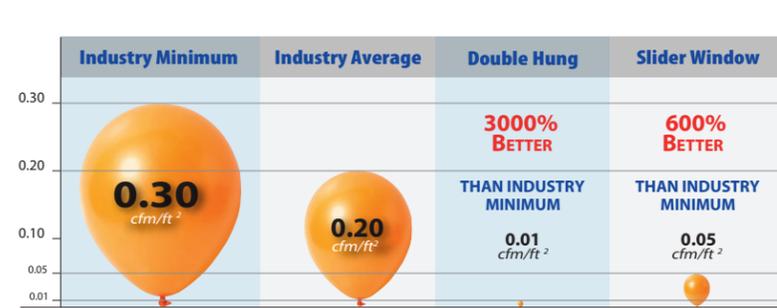
Permanent interior and exterior grids will provide a truly authentic look. Interior grids are available in a Euro-White color or Wood Laminate. External grids are available in Euro-White or colors to match products exterior.

SDL not available with triple pane glass packages.

The Glass Unit

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.

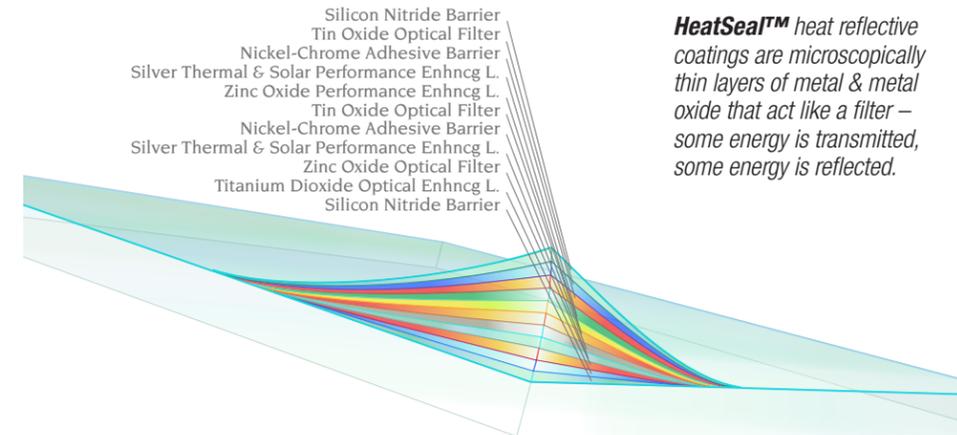


The results are based on a tested window sample by AAMA testing window guidelines. Title of Test & Method: Air Infiltration - ASTM E 283 75 PA - (1.6 psf) 25 mph

	Industry Minimum	Double Hung	Slider 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

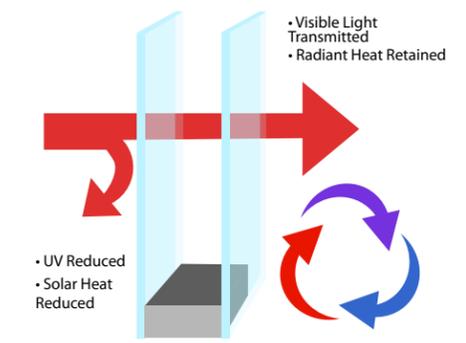
The glass unit is one of the most important elements of your new window. It is about 90% of the whole window. Your decision will dramatically effect your living comfort and expenses for many years.

High Performance Reflective Coatings Glass



HeatSeal™ heat reflective coatings are microscopically thin layers of metal & metal oxide that act like a filter – some energy is transmitted, some energy is reflected.

Heatseal Glass

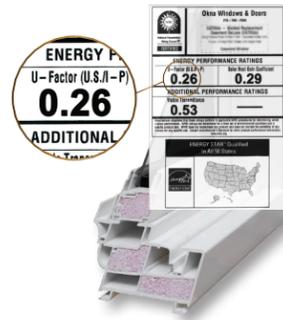


In climates where heating and cooling are the primary concern, HeatSeal Glass products are designed to take advantage of free solar heat, resulting in higher inside glass temperature. Passive solar and thermal insulation reduce the draft sensation caused by cold glass surfaces, providing windows that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

Double Hung Thermal Performance

Deluxe Energy Savings Package

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



Super Deluxe Energy Savings Package

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



* SunSeal Basic Energy Savings Package

- SunSeal Glass Package Double Pane Glass Unit



* SunSeal Deluxe Energy Savings Package

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

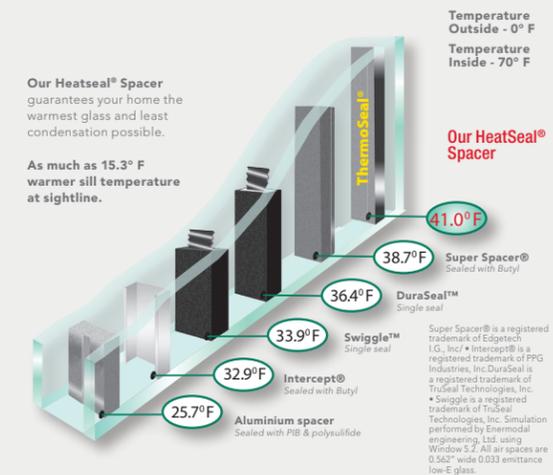


*SunSeal Glass Package is designed for homes in the southern climate.

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.



Our HeatSeal® Spacer guarantees your home the warmest glass and least condensation possible.

As much as 15.3° F warmer sill temperature at sightline.

Temperature Outside - 0° F
Temperature Inside - 70° F

Our HeatSeal® Spacer

41.0°F

38.7°F Super Spacer® Sealed with Butyl

36.4°F DuraSeal™ Single seal

33.9°F Swiggle™ Single seal

32.9°F Intercept® Sealed with Butyl

25.7°F Aluminium spacer Sealed with PIB & polysulfide

Super Spacer® is a registered trademark of Edgetech I.G., Inc. Intercept® is a registered trademark of FPC Industries, Inc. DuraSeal is a registered trademark of TruSeal Technologies, Inc. Swiggle is a registered trademark of TruSeal Technologies, Inc. Simulation performed by Enermodal engineering, Ltd. using Window 5.2. All air spacers are 0.562" wide 0.033 emittance low-E glass.

Thermal Performance (U-Value)

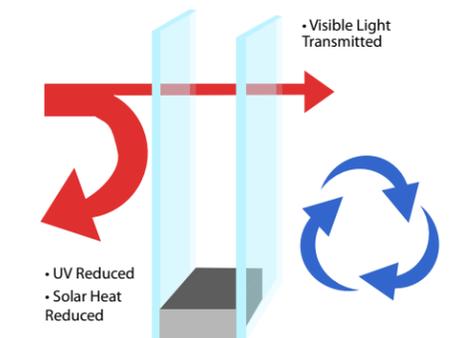
	Double Hung	Slider	Picture	Energy Star Requirement*
HeatSeal Glass Package				
Clear Glass	0.45	0.45	0.45	0.27
Energy Saving Package	0.27	0.28	0.27	0.27
Deluxe Package	0.26	0.26	0.25	0.27
HeatSeal Super Glass Package				
Energy Saving Package	0.22	0.22	0.20	0.27
Deluxe Package	0.20	0.20	0.18	0.27

*Northern Climate Zone

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



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.

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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