

ECO-PRO

600 SERIES

By Okna Windows



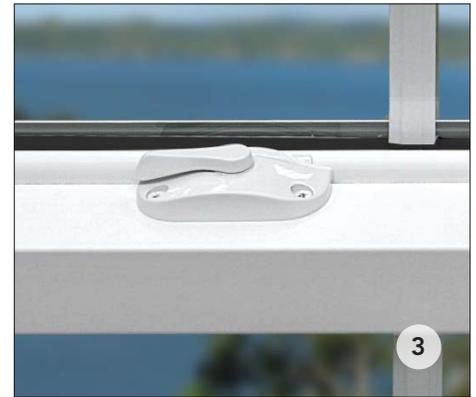
With the Eco-Pro Window Series we are pleased to provide a breakthrough product which offers a myriad of glass and hardware finishes to seamlessly blend with any decor while providing exceptional energy efficiency.

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.*

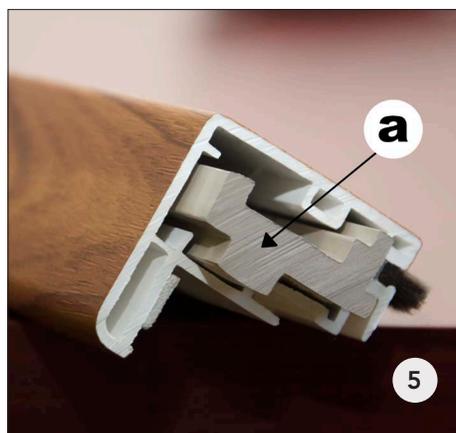
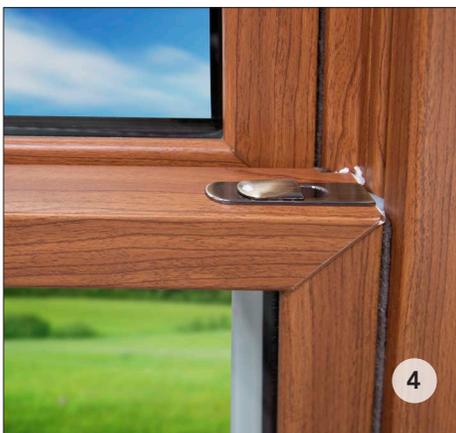


* Based on test performed by BSI Hardware-Amesbury Group

Double Hung Windows



- **Stylish, Fully Welded 3 1/4 Mainframe** with a beveled colonial exterior curves that are not only beautiful, but also allow for maximum weld surface resulting in outstanding strength and years of long lasting performance. (Img. 1)
 - **The Sill Dam Wall is Mortised into the Jamb**, adding strength and lowering the possibility of leaks that may occur at corner seals. (Img. 2)
 - **Insulated Extra-Strength Glass** increases strength and sound reduction.
 - **Eco-Pro Double Hung Features Beautifully Designed Metal Handle(s)** on top sash and integrated lift rail on bottom sash.
 - **Standard Slim Profile Sash Lock** with tamper-proof cam ensures a much smoother turn and increases the life cycle over traditional locks. (Img. 3)
 - **Power Lift™ Balance System** allows smooth window operation.
 - **Push Button Spring-Loaded Vent Latches** allow both window sashes to remain partially open for ventilation. (Img. 4) *Vent latches not available on laminates.*
 - **Additional High Density Composite Reinforcement (a)** inside the locking sash makes our windows structurally stronger than others available on the market. (Img. 5)
 - **Full Interlock with Triple Weather-Stripping** provides low air infiltration for increased comfort.
 - **One Piece Sloped Sill with Double Dam Leg** helps eliminate clogged and frozen weep holes as well as makes windows structurally stronger; reducing air infiltration and chimney effect drafts. (Img. 6)
 - **HeatSeal® Warm Edge Spacer System** for excellent thermal efficiency and drastic reduction in the possibility of condensation on the inside of the window.
- *Available in Replacement and New Construction applications.*



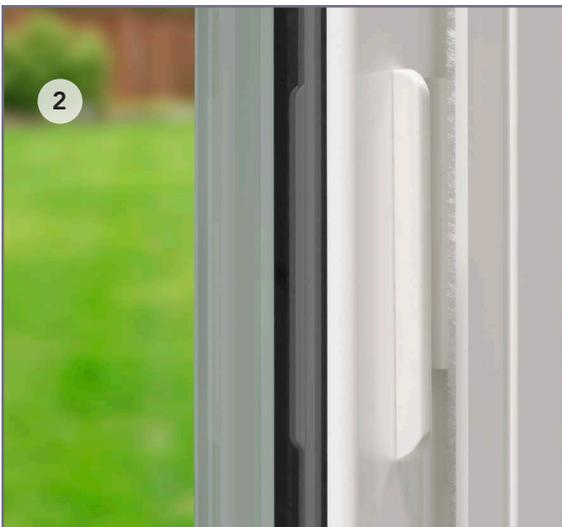


Sliding Windows

www.oknawindows.com

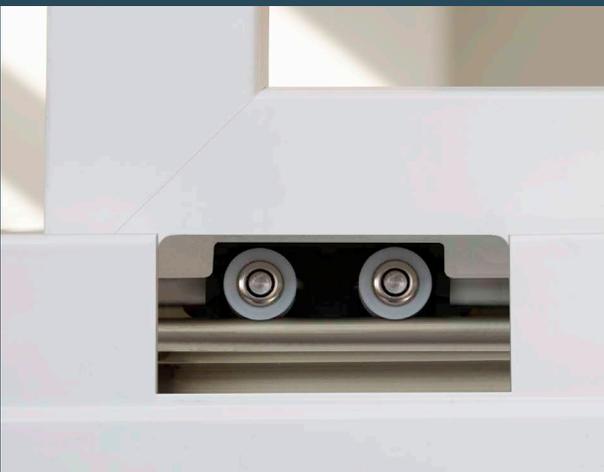


- **Fully Welded 3 1/4 Depth Mainframe** with a beveled colonial exterior featuring curves that are not only beautiful, but also allow for maximum weld surface resulting in exceptional strength and years of long lasting performance. (Img. 1)
- **HeatSeal® Warm Edge Spacer System** for excellent thermal efficiency and drastic reduction in the possibility of condensation on the inside of the window.



- **The Slider Features a Handle Style** based on traditional wood windows. (Img. 2)
- **Fiberglass Mesh Half Screens** standard on all windows.
- **Standard Factory Bumpers** are installed for a quieter operation.
- **OKNA Windows Offers 2-Lite and 3-Lite Sliding Windows.**
Available in Replacement and New Construction applications.

- **Standard Brass wheels** allows the slider to smoothly glide across its track.
- **Optional EZ Glide System Improves Operation** especially with oversized and triple pane units.
- **Push Button Spring-Loaded Vent Latches** allow both window sashes to remain partially open for ventilation.
Vent latches not available on laminates.



EZ Glide System

Enjoy the ease of opening Eco-Pro 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.

practicality • elegance • versatility



Antique Brass
(Optional)



Euro-White
(Standard)

Casement Hardware Finish Selection



Almond
(Standard on Winchester Laminates)



Matte Bronze
(Optional)



Cocoa
*(Standard on Melrose Cherry
and Dark Oak Laminates)*



Brushed Nickel
(Optional)

Casement



A Progressive Multi-Point Locking System allows for a weather-tight seal by drawing the sash firmly and securely to the master frame. The multi-point locking system also offers added security by providing additional points of reinforcement on the window.



Folding Style Crank Handles, standard on all casement windows, minimize interference with blinds and other window treatments.



OKNA Casement Windows Open a Full 90 Degrees for maximum ventilation and easy cleaning from inside the home.

Awning

Our Awning Windows offer a sleek, contemporary look and are practical in areas with obstructions. They crank out smoothly for air circulation while protecting your home from the outside elements. The Awning Windows can be used individually and as part of multi-window configurations.

A beveled screen frame with the appearance of wood molding for added beauty is available on Casement and Awning Windows.



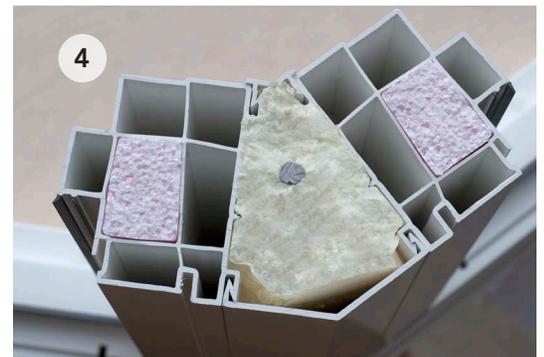
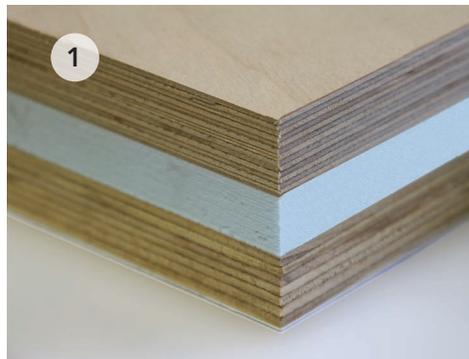
Bay and Bow



Superior Construction

No other manufacturer has a greater commitment to quality than OKNA Windows. Our new, redesigned Bay and Bow Windows have incorporated the latest innovation in fenestration technology to provide a window that is energy efficient, functional, and beautiful.

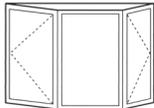
- Two inch Insulated Head and Seat Board with Furniture Grade Veneer and Standard 1 ¼ inch jamb. (Img 1)
- Water Penetration Barrier Below Each Window and Mullion. (Img 2)
- Silicone Free Interior and Exterior. (Img 3)
- Standard Foam Insulated Mullions with Threaded Rod. (Img 4)



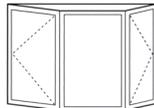
Myriad of Configurations

Bay and Bow Windows are one of the most popular ways to give your room more light and space without adding square footage. These windows lend charm and beauty to any room. They are ideal for creating eating nooks, bath surrounds, and mini greenhouses.

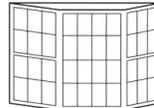
When it comes to Bay and Bow Windows, OKNA Windows really does have it all and it's because our Bays and Bows are made to order. For the side units of your Bay and Bow Windows, you can choose from 4 different degree angles to achieve the look you desire. Once you've chosen the angle, we can build Bay or Bow Windows in an endless variety of sizes.



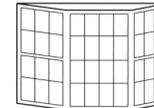
30° Bay-Casement-Picture-Casement



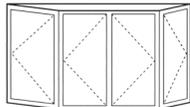
45° Bay-Casement-Picture-Casement



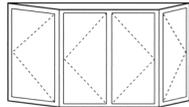
30° Bow-DH-Picture-DH



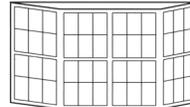
45° Bow-DH-Picture-DH



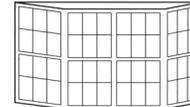
30° Bay-Casement-Casement-Casement-Casement (Custom)



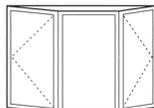
45° Bay-Casement-Casement-Casement-Casement (Custom)



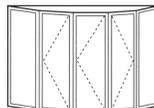
30° Bow-DH-DH-DH-DH (Custom)



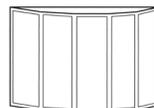
45° Bow-DH-DH-DH-DH (Custom)



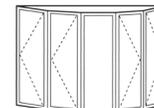
10° Bow-Casement-Picture-Casement (Custom)



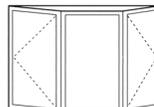
10° Bow-Picture-Casement-Casement-Casement-Picture



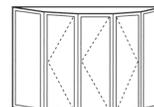
10° Bow-5 Pictures



10° Bow-Casement-Casement-Picture-Casement-Casement



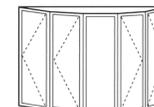
15° Bow-Casement-Picture-Casement (Custom)



15° Bow-Picture-Casement-Casement-Casement-Picture



15° Bow-5 Pictures



15° Bow-Casement-Casement-Picture-Casement-Casement

Garden Window

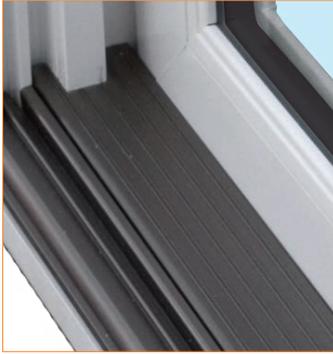


- **Fully welded, rigid PVC vinyl frame** for greater strength and stability.
- **Aluminum and steel reinforcements** in the front mullion.
- **The multi-point locking system** provides a tighter seal and added security.
- **Twin sealing, fully screened, operating casements** with external glazing for improved weather protection.
- **Glass shelf with steel support system** is available for units over 42 inches.
- **The window is shipped completely assembled for easy installation.**

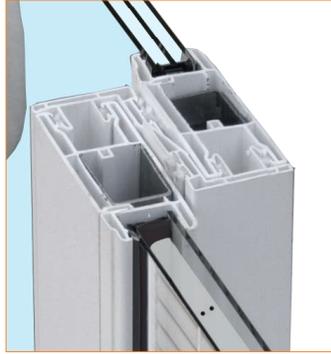
Elegante



The Elegante Patio Doors are an ideal solution for adding light to any room while making the most of limited space. Available in replacement and new construction applications, this elegant design combines the security of structural integrity and the comfort of energy efficiency. A host of options increase the versatility of this product.



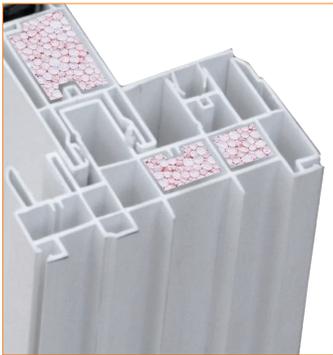
Anodized aluminum screen track, roller track, and threshold for increased strength, durability, and longevity along with an elegant appearance.



Interlocking meeting rail system with quadruple weatherstripping for controlling infiltration of air, water, dust, and noise. Full length heavy gauge reinforcements in meeting rails and pull rail provide great rigidity and strength.

What Makes OKNA Window's Patio Door So Impressive?

Superior Engineering



Thermally welded multi-chambered 5-5/8" main frame provides superior strength and thermal insulation. Optional foam filled insulated extrusions provide better thermal efficiency.

Retractable Mini-Blinds

Our retractable Mini-Blinds installed between the glass allow homeowners to control privacy and sunlight by raising, lowering, and adjusting tilting.



Operating sash is equipped with adjustable, precision bearing tandem rollers for a smooth and quiet operation.



Patio Door Merit Lock System



Winchester Finish
Matte Bronze Lock
(Optional)



Euro-White Lock
(Standard)



Almond Lock
(Standard on Winchester)



Cocoa Lock
*(Standard on Melrose
Cherry and Dark Oak)*



Antique Brass Lock
(Optional)



Brushed Nickel Lock
(Optional)

Patio Door Intuition Lock System

The ergonomic ONE-MOTION operation allows the homeowner to unlock and open the door in a single fluid motion; in reverse, the door closes and locks in the same way. Using a modern design that eliminates the lever, the handle does not protrude into the glass area, enhancing the sight lines of any sliding door.



Euro-White



Almond



Cocoa



Brushed
Nickel



Matte
Bronze



Winchester Finish
Antique Brass Lock
(Optional)

Forester

The perfect blend of beauty and functionality. Our 8200 Series Forester Patio Door combines all of our incredible structural and thermal performance features while maintaining the traditional look of a true wood door.



Patio Door Exterior Hardware

We offer two options for exterior hardware on your patio door, locking and non-locking. Our exterior hardware is available in the following 4 colors:

Euro-White, Almond, Cocoa, and Matte Bronze.

If you have a custom exterior color on your patio door, we will pick one of the hardware options to best match the color.



Beautiful Hardware Finishes

OKNA Eco-Pro Series offers a wide selection of hardware finishes that harmonize well with any interior design.

Double Hung and Sliding Window Hardware Finish Selection



Euro-White
(Standard)



Almond
(Standard for Solid Almond Windows)



Cocoa
(Standard for Solid Cocoa Windows)



Adobe Gray
(Standard on all laminates)



Antique Brass
(Optional)



Matte Bronze
(Optional)

Color Selection

OKNA Windows offers three beautiful internal laminates in addition to our solid Almond, Cocoa and standard Euro-White to give your home a distinct look. We also offer six optional exterior stock colors and 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.

Solid Color Windows | Same Interior and Exterior Colored Vinyl



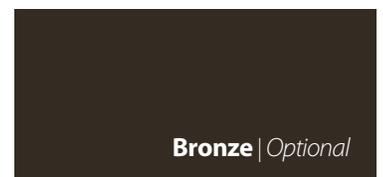
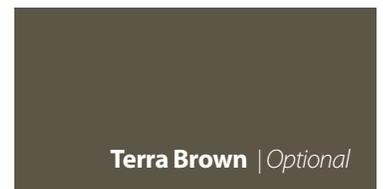
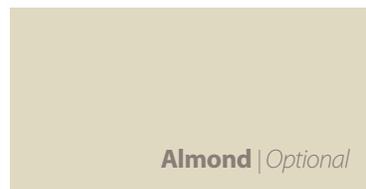
** Woodgrain laminates not available on Cocoa Vinyl*

Two Tone Windows | Different Interior and Exterior Color

Interior Woodgrain Laminates



Exterior Painted 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.

Options

Screens

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 OKNA
Products

"Pet Screen" is seven times stronger than traditional insect screening and offers excellent outward visibility. Ideal for those areas prime for potential damage and heavy wear in high traffic areas, this screen can be used on screened windows, screen doors and screened porches. ****AVAILABLE ON PATIO DOORS ONLY****



Specialty Glass

OKNA Windows offers textured glass in a variety of distinctive choices that add visual interest to any design while offering variability in light control. With a range of options at your fingertips, you can find a standard glass texture for virtually every application and aesthetic, from traditional to modern.



Regular Obscure



Niagara Obscure

Grids

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. Custom colors are not available on GBG.



Simulated Divided Lites (SDL)

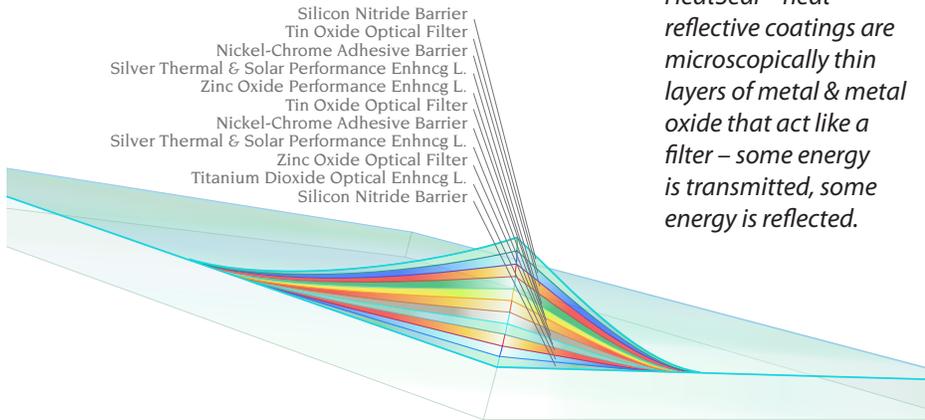
Permanent interior and exterior grids will provide a truly authentic look. Interior grids are available in a Euro-White or Wood Laminate. External grids are available in Euro-White or colors to match products exterior.



The Glass Unit

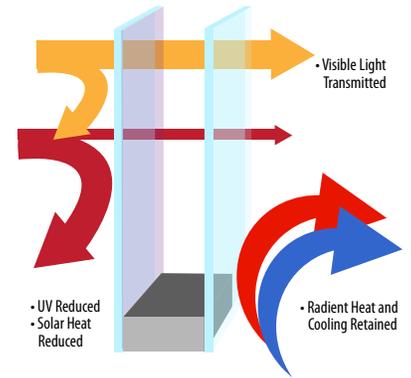
The glass unit is one of the most important elements of your new window. It is about 90% of the whole window. Your decision will dramatically effect your living comfort and expenses for many years.

High Performance Reflective Glass Coatings

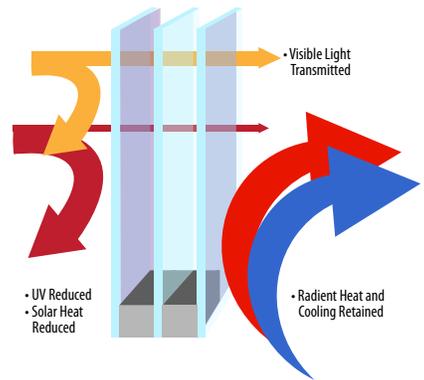


HeatSeal™ heat reflective coatings are microscopically thin layers of metal & metal oxide that act like a filter – some energy is transmitted, some energy is reflected.

HeatSeal Glass



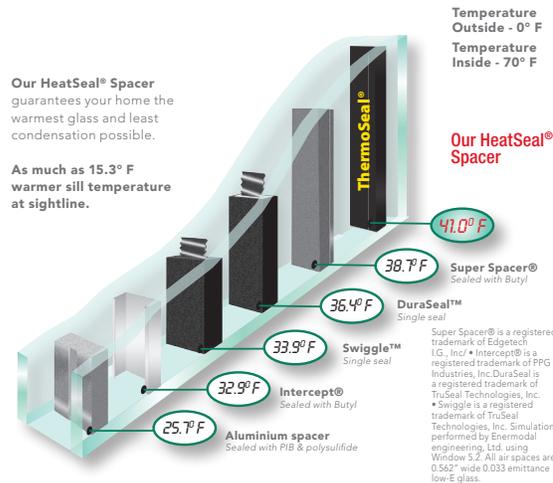
HeatSeal Super Glass



High Performance HeatSeal Spacer

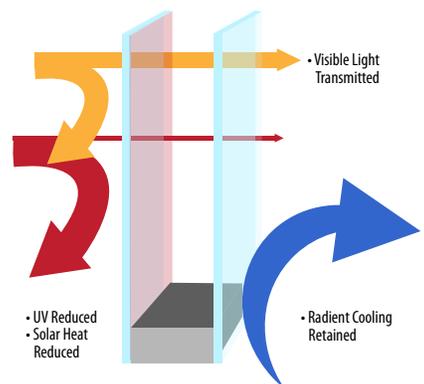
The glass panes are separated by a "spacer". A spacer is the piece that is located between panels of glass in an insulating glass system. Its main function is to seal the gas space between them. Majority of windows, unlike Okna Windows, are made with metal spacers. The main disadvantage to metal spacers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



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.

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.

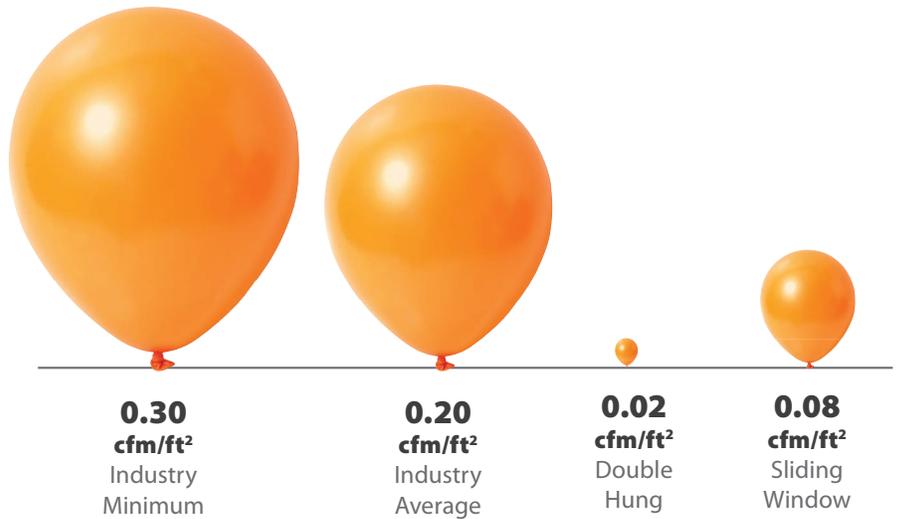


When you purchase a window or patio door that is advertised as the most energy efficient, you want to be sure the claims are based on facts, certified by a truly independent and objective authority. Their unbiased test results educate purchasers allowing them to make a more educated choice.

Air Infiltration

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.



Structural Performance			
	Industry Minimum	Eco-Pro DH	Eco-Pro SL
AAMA Rating resistance to wind	R15	R 50	R40
Air Infiltration (cfm/ft2) at speeds of 25mph.	0.30	0.02	0.08
Water Penetration (MPH) 8" per hour	33	56	59
Structural Integrity (MPH) Wind load	94	171	153



American Architectural Manufacturers Association

The AAMA Certification Program is the only program in the window and door industry that requires that components used in the finished window and

door assembly pass their own set of performance tests. The program also requires the use of AAMA-accredited certification agencies, such as Keystone Certifications Inc., so that tests are performed by qualified, experienced professionals using properly calibrated equipment. Also, there are two surprise manufacturing plant inspections every year that offer added quality assurance that translates to peace of mind.

If you demand windows and doors that meet stringent performance standards, just look for the AAMA/Keystone Certification Label which tells you that a sample of the unit passed required performance tests for resistance to air leakage, water penetration and wind pressure. Okna Windows is using Keystone Certifications Inc. for AAMA testing and ratings. For more information on our window testing, go to www.keystonecerts.com.

OKNA Window's and Patio Door's Gold Label AAMA Certification



The **ENERGY STAR Most Efficient** designation is an extension of the ENERGY STAR® brand and is designed to recognize and advance the most efficient products among those that qualify for the ENERGY STAR. This recognition is offered for specific categories and awarded for a specific year. The goal of this effort is to encourage new, more energy-efficient products into the market more quickly by targeting early adopters.

Each year, EPA will establish criteria for specific product categories to earn Most Efficient recognition. Products that are recognized as ENERGY STAR Most Efficient must already qualify for the ENERGY STAR label.

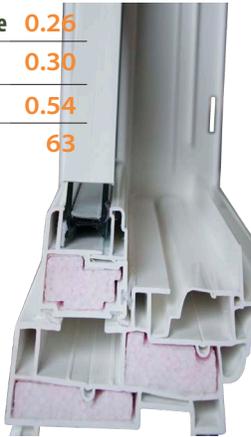
OKNA Windows proudly displays ENERGY STAR MOST EFFICIENT on our products.



HeatSeal® Deluxe Package
- Argon Gas

Double Pane Glass Unit
Foam Filled Extrusions

U-Value 0.26
SHGC 0.30
VT 0.54
CR 63



HeatSeal® Super Deluxe
- Argon Gas

Triple Pane Glass Unit
Foam Filled Extrusions

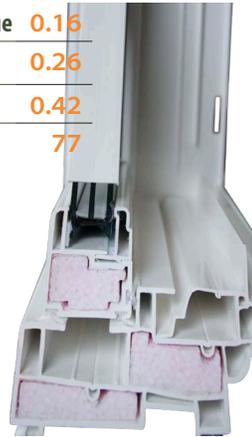
U-Value 0.18
SHGC 0.26
VT 0.42
CR 75



HeatSeal® Super Deluxe
- Krypton Gas

Triple Pane Glass Unit
Foam Filled Extrusions

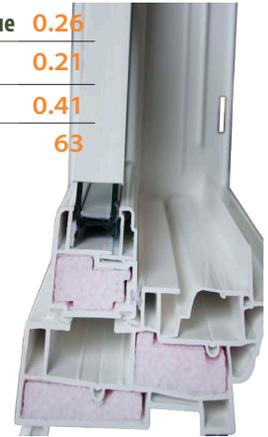
U-Value 0.16
SHGC 0.26
VT 0.42
CR 77



SUNSEAL Deluxe
- Argon Gas

Double Pane Glass Unit
Foam Filled Extrusions

U-Value 0.26
SHGC 0.21
VT 0.41
CR 63



Double Hung (DH 600)

	U-Value	SHGC	VT	CR
HeatSeal Glass Package				
Energy Saving Package - AG	0.28	0.30	0.54	63
Deluxe Package - AG	0.26	0.30	0.54	63
SunSeal Glass Package				
Energy Saving Package - AG	0.28	0.21	0.41	63
Deluxe Package - AG	0.26	0.21	0.41	63
HeatSeal Super Glass Package				
Deluxe Package - AG (XR15)	0.18	0.26	0.42	75
Deluxe Package - KR (XR10)	0.16	0.26	0.42	75

Sliding Window (SL 600)

	U-Value	SHGC	VT	CR
HeatSeal Glass Package				
Energy Saving Package - AG	0.28	0.29	0.52	63
Deluxe Package - AG	0.27	0.29	0.52	64
SunSeal Glass Package				
Energy Saving Package - AG	0.28	0.20	0.40	64
Deluxe Package - AG	0.27	0.20	0.40	64
HeatSeal Super Glass Package				
Deluxe Package - AG (XR15)	0.19	0.25	0.41	71
Deluxe Package - KR (XR10)	0.17	0.25	0.41	72

Casement Window (CA 700)

	U-Value	SHGC	VT	CR
HeatSeal Glass Package				
Energy Saving Package - AG	0.25	0.27	0.49	63
Deluxe Package - AG	0.24	0.27	0.49	63
SunSeal Glass Package				
Energy Saving Package - AG	0.25	0.20	0.38	63
Deluxe Package - AG	0.24	0.20	0.38	63
HeatSeal Super Glass Package				
Deluxe Package - AG (XR9)	0.19	0.23	0.38	71
Deluxe Package - KR (XR10)	0.15	0.23	0.38	77

Elegante and Forester (PD 8800)

	U-Value	SHGC	VT	CR
HeatSeal Glass Package				
Energy Saving Package - AG	0.27	0.27	0.49	63
Deluxe Package - AG	0.26	0.27	0.49	63
SunSeal Glass Package				
Energy Saving Package - AG	0.27	0.19	0.38	63
Deluxe Package - AG	0.26	0.19	0.38	63
HeatSeal Super Glass Package				
Deluxe Package - AG	0.20	0.23	0.38	68
Deluxe Package - KR	0.17	0.23	0.38	68

XR9: Triple pane glass, 15/16" XR10: Triple pane glass, 15/16" XR15: Triple pane glass, 1-1/16" AG: Argon Gas KR: Krypton Gas

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.



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All illustrations, photographs, and specifications in this publication are based on the latest product information available at the time of printing. Some windows shown with optional features. See the actual product for complete accuracy. The manufacturer reserves the right to alter or discontinue any model or specification without notice. Printed colors may not match the product's actual color. Please visit a local dealer to view actual color samples.



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