

ENVIRO-STAR



800 Series by OKNA Windows





ENVIRO

DOUBLE HUNG

With 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® Triple Glass Package, offers superior thermal performance and exceeds the most rigorous energy requirements.

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



Metal handle, available in five finish options... gives a refined, traditional look.

WHAT DOES IT MEAN FOR US TO BE

GREEN?

IN THE 30+ YEAR PURSUIT OF ENERGY-EFFICIENT FENESTRATION
OKNA WINDOWS PURSUES

-  REDUCED WASTE-SCRAP
-  RECYCLED VINYL • GLASS • METAL
-  RENEWABLE ENERGY SOURCES

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.

- **Vent Latches Allow for Ventilation**

Both sashes can remain partially open. WOCD latches are also available for optional upgrade.

Vent latches are not available on laminated windows.



- **Full 3¼" Depth uPVC Fusion Welded Frame and Sashes**

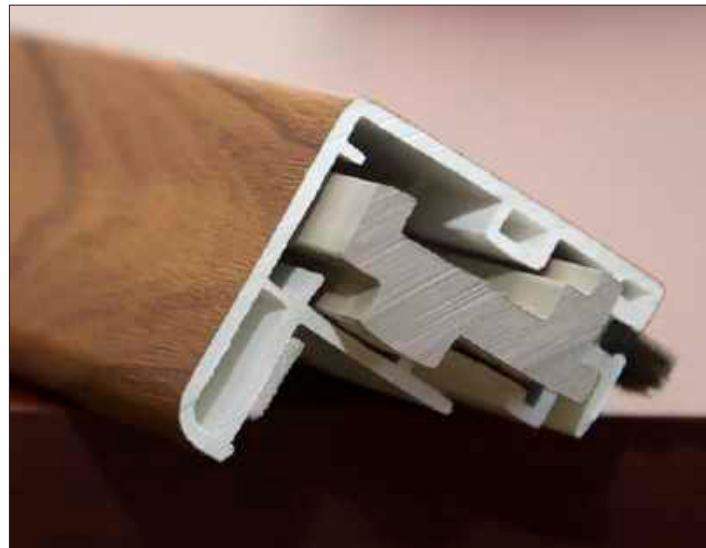
With an elegant, beveled profile.

- **Full Integral Interlock with Double Weatherstripping**

Double weatherstripping on every sash stile to make the window more airtight.

- **A Variety of Hardware Options**

Fits harmoniously into any decor.



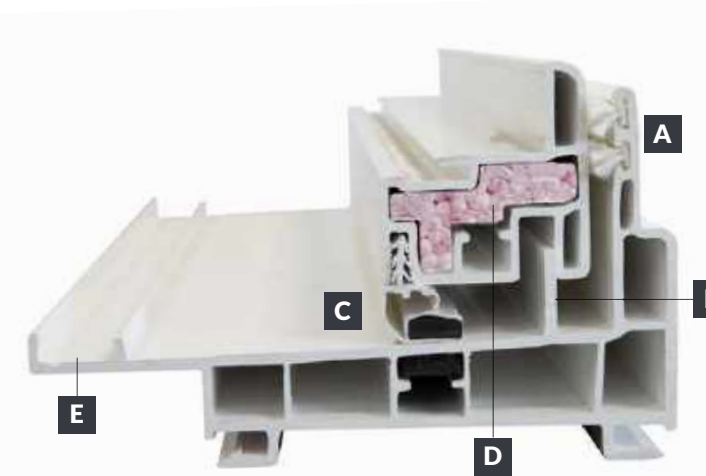
- **Additional High-Density Composite Reinforcement**

Reinforcement inside the locking sash makes our windows structurally stronger than others available on the market.



- **Sill Dam Wall**

Mortised into the jamb adding strength and lowering the possibility of leaks that may occur at corner seals.



- A Double Weatherstripping**
A key component to this interlock, helping to provide an airtight seal.
- B Dual Dam Leg (Sash and Sill Interlock)**
Makes the windows structurally stronger while also reducing air infiltration and chimney effect drafts.
- C Magnetic Seals**
Similar to those used in refrigerators, drastically reduces drafts and greatly improves the thermal performance of our windows.
- D Multichambered Extrusion** improves thermal efficiency.
- E Screen Groove** stops the screen from deflecting and helps lock it into place.



Enviro-Star

SLIDER

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

- **uPVC Fusion Welded Sash and Frame Corners** for excellent performance. Sill on sliding window contains 4 weep holes for enhanced water drainage. (Img. 1)
- **The Slider Features a Handle Style** based on traditional wood windows. (Img. 2)
- **Double Weatherstripping System** around sliding sash for enhanced performance and reduced air infiltration.
- **Double Weatherstripping 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.
- **Multichambered 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.
- **Vent Latches** allow for ventilation. Both sashes can remain partially open.

Vent latches are not available on laminated windows.



This image also highlights our ability to give you any exterior color with our customer color option.

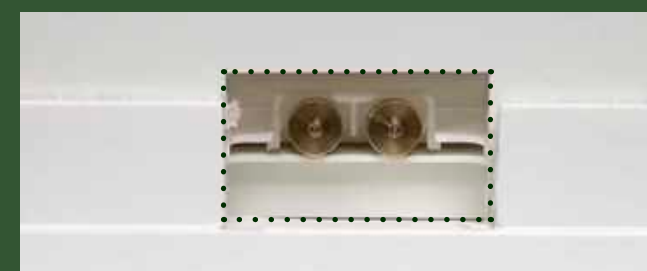


This image highlights our Winchester wood laminate color as well as our optional Brushed Nickel hardware.

Smooth Glide System

Standard

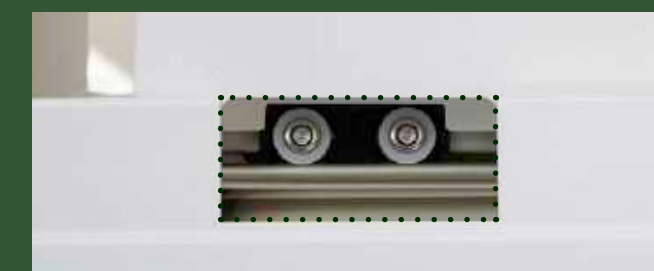
High quality brass wheels allow the slider to smoothly glide across its track.



EZ Glide System

Optional

This system contains an anodized aluminum track and precision ball-bearing wheels for smoother glide and operation especially with oversized and triple pane units.



||| CASEMENT

- Full 3¼" Depth uPVC Fusion Welded Frame and Sashes
- A Progressive Multipoint Locking System allows for a weathertight seal by drawing the sash firmly and securely to the master frame. The multipoint locking system also offers added security by providing additional points of reinforcement on the window.
- OKNA Casement Windows open fully for maximum ventilation and easy cleaning from inside the home.
- Coastal Hardware available for coastal regions.

Optional WOCD Device

The WOCD device allows you to open your window no more than four inches when activated. To open the window fully, deactivate the device. When you are ready to reactivate it, simply close your window and the device is automatically activated.



||| AWNING

Our Awning windows offer a sleek, contemporary look and are practical in areas with obstructions. They can be used individually and as part of multiwindow configurations.

HARDWARE Options (Casement & Awning)

Casement & Awning windows come standard with a folding crank handle. Not only do they minimize the interference with blinds and other window treatments, but they also add that extra wow factor to complete your window order! OKNA Euro-White windows come standard with Euro-White hardware. All laminated windows will come standard with our Adobe Gray hardware except Onyx Black, coming standard with Matte Bronze. These options can be upgraded with the other hardware finishes for an extra fee.



Antique Brass
Optional



Euro-White
Standard



Almond
Standard on Solid Almond



Cocoa
Optional on All Laminates



Adobe Gray
Standard on All Laminates except Onyx Black



Brushed Nickel
Optional

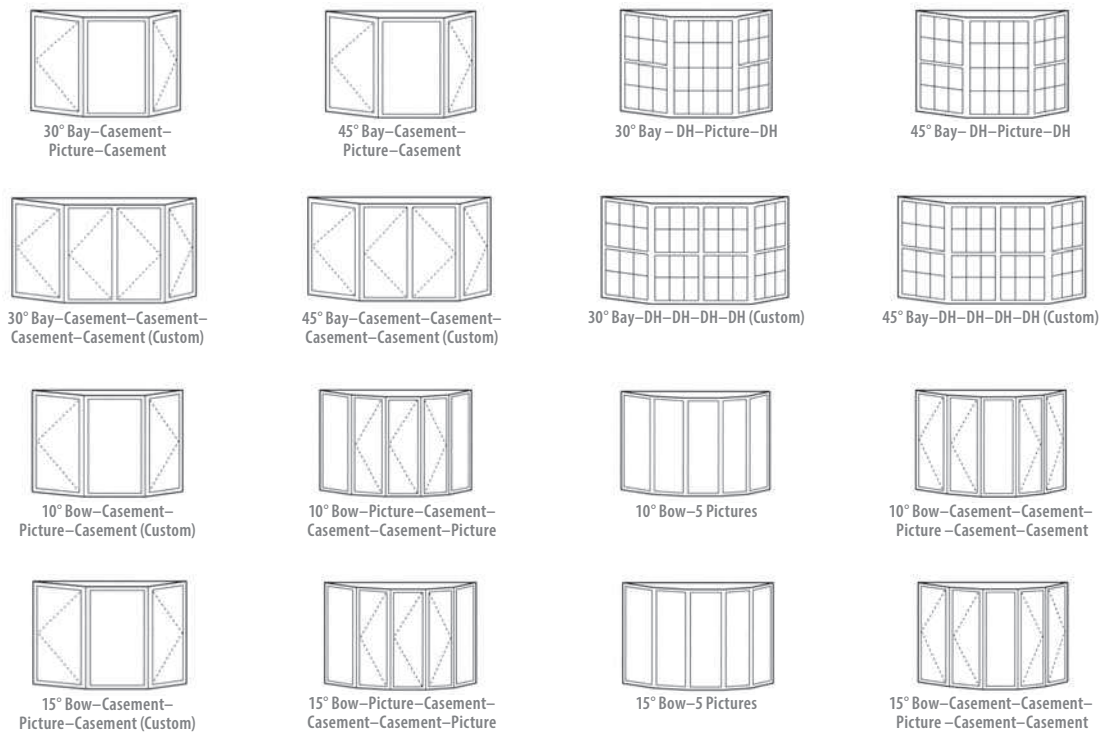


Matte Bronze
Optional (Standard on Onyx Black Laminate)

Myriad of Configurations

Bay & 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 & Bow Windows, OKNA Windows really does have it all and it's because our Bays & Bows are made to order. For the side units of your Bay & 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.



GARDEN



- **Fully Welded, Rigid uPVC Vinyl Frame** for greater strength and stability.
- **Aluminum and Steel Reinforcements** in the front mullion.
- **The Multipoint 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".
- **The Window is Shipped Completely Assembled** for easy installation.

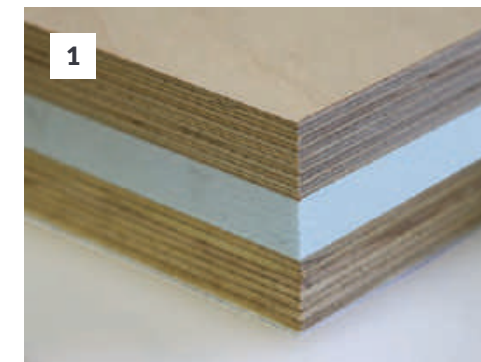
BAY & BOW



Superior Construction

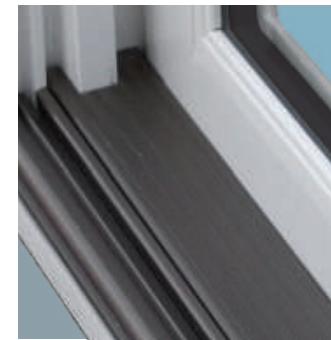
No other manufacturer has a greater commitment to quality than OKNA Windows. Our new, redesigned Bay & Bow Windows have incorporated the latest innovation in fenestration technology to provide a window that is energy efficient, functional, and beautiful.

- **2" Insulated Head and Seat Board** with Furniture Grade Veneer and Standard 1 1/4" 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 Steel Rod** (Img 4)



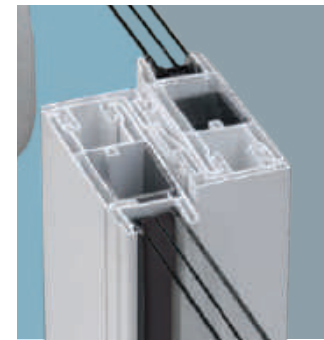


PATIO



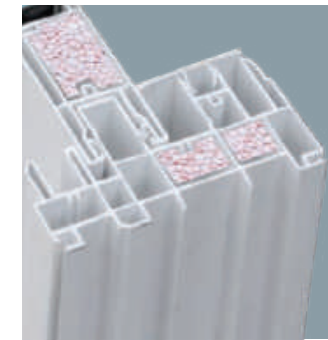
Anodized Aluminum Track/Threshold

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.



Thermally Welded Main Frame

Multichambered and thermally welded 5⁵/₈" main frame provides superior strength and thermal insulation. Optional foam-filled, insulated extrusions provide better thermal efficiency.



Precision-Bearing Tandem Rollers

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

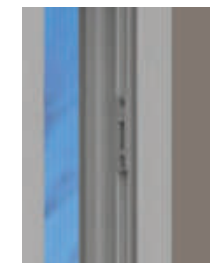
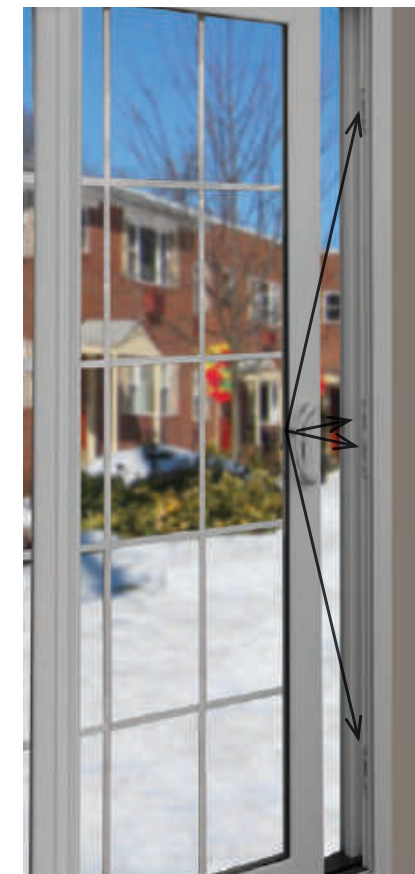
Multipoint Locking System

OKNA Patio Doors come with the option of upgrading to a Multipoint Locking System. This system offers four locking points on the patio door for added security. The Multipoint Locking System is used with locking exterior hardware only.

Retractable Mini Blinds

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

Available on Elegante and Forester Patio Doors, for 5068 & 6068 only, and necessitates an approximately 2¹/₂" reduction in clear opening width due to an elongated bumper that protects the blind mechanism.

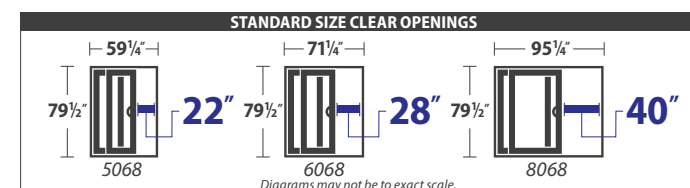


ELEGANTE

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. Elegante Patio Doors are available in Euro-White, Almond, and our beautiful wood laminates.

Standard 2-panel unit widths include 59¹/₄", 71¹/₄", & 95¹/₄". Pictured above is a 3-panel made by including an additional non-active panel on handle side.

Coastal hardware available for coastal regions.





PATIO



Patio Door Merit Lock System

Our standard Merit Locking System is a classic patio door handle that will match any home decor.



Euro-White
Standard

Almond
Standard on
Winchester

Cocoa
Standard on
Melrose Cherry
and Dark Oak



Antique Brass
Optional

Brushed Nickel
Optional

Matte Bronze
Optional
(Standard on Onyx
Black Laminate)

Patio Door Intuition Lock System

The ergonomic ONE-MOTION operation allows the homeowner to unlock and open the door in a single fluid motion.



Euro-White
Standard

Almond
Standard on
Winchester

Cocoa
Standard on
Melrose Cherry
and Dark Oak



Antique Brass
Optional

Brushed Nickel
Optional

Matte Bronze
Optional
(Standard on Onyx
Black Laminate)

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 | 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.



Optional Foot Lock

Our push button spring-loaded foot lock is easy to lock and can be set to allow ventilation while having extra security. Available in:

Euro-White | Almond | Cocoa



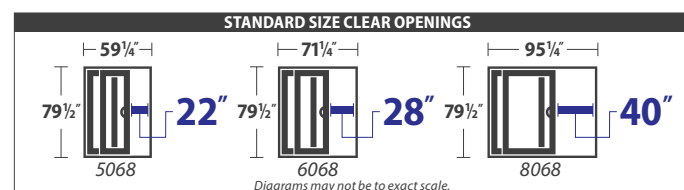
FORESTER

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. This door is built using a butt-joint weld, showcasing traditional joinery with the benefits of advanced fusion welding. Forester Patio Doors are available in Euro-White, Almond, and our beautiful laminates.

Standard 2-panel unit widths include 59 1/4", 71 1/4", & 95 1/4".

All Hardware options available on Elegante and Forester doors.

Coastal hardware available for coastal regions.



HARDWARE Finishes

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



Euro-White
Standard



Adobe Gray
Standard on All Laminates Except Onyx Black



Brushed Nickel
Optional



Matte Bronze
Optional
(Standard on Onyx Black Laminate)

DOUBLE HUNG & SLIDER Hardware Finish Selection



Antique Brass | **Melrose Cherry Finish**
Optional | Optional

COLOR Selections

OKNA Windows offers six 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.

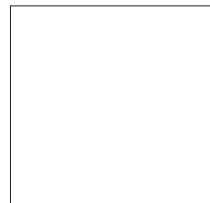
Solid Color

Same Interior/
Exterior Colored Vinyl

Two Tone

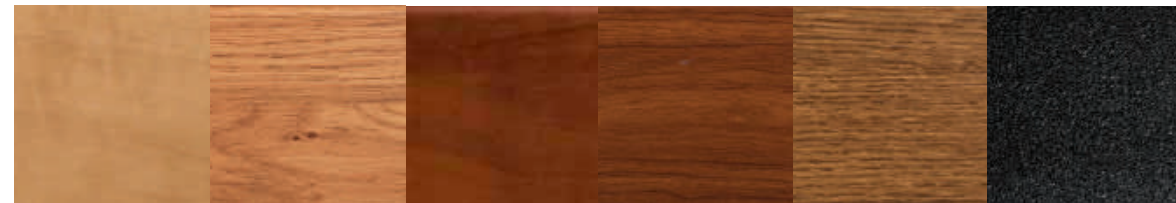
Different Interior/
Exterior Color

VINYL



Euro-White
Standard

INTERIOR LAMINATES



Natural
Optional

Winchester
Optional

Cognac
Optional

Melrose Cherry
Optional

Dark Oak
Optional

Onyx Black
Optional*

Exterior Painted Colors



Almond
Optional

Sandstone
Optional*

Terra Brown
Optional**

Cocoa
Optional

Basic Brown
Optional**

Bronze
Optional

Nicol's Black
Optional**

Custom Colors
Optional

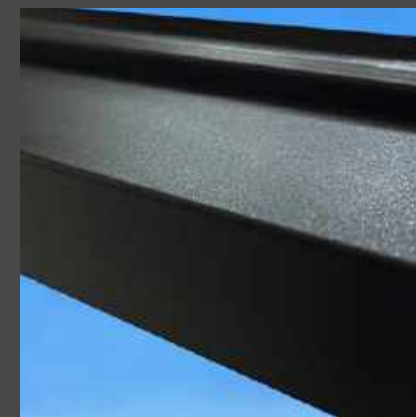
* Not available for Elegante Patio Doors | 8800PD. ** Surcharge applied for painted screens.

All colors except Euro-White are available at an additional charge. All painted Double Hung and Sliding Windows must have a full screen. Printed colors may not match the product's color. Please visit a local dealer to view color samples.

ONYX

Onyx Black

is the new interior color laminate option for windows & patio doors from OKNA.



OKNA answers the great and popular demand for black interiors within this series. Euro-White exterior and Matte Bronze hardware come standard, with other color options available for exterior paint and hardware at an additional charge.



*Select areas of our products are not laminated to ensure proper operation. Not available for Elegante Patio Doors | 8800PD.

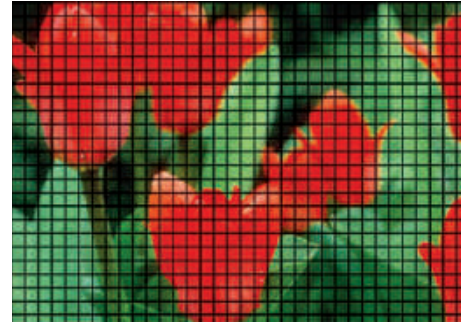
Options

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

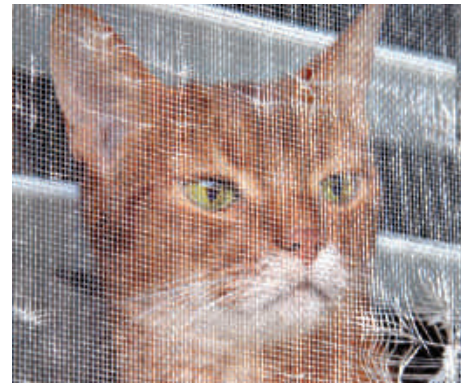


ThruVision PLUS®
Standard on all OKNA Products

Patio Door Pet Screen

"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.

Available on Patio Doors only.



Specialty Glass

OKNA offers specialty glass in a variety of distinctive choices that add visual interest to any design while offering variability in light control. Shown below is our Obscure textured glass. With a range of options at your fingertips, you can find the glass choice for your application and aesthetic, from traditional to modern. Here are available glass options:

- Textured**
For increased privacy
- Tempered**
For increased strength
- Laminated**
For increased impact resistance and noise reduction
- Custom Configuration**
For more aesthetic choices



Obscure

WOCD (Window Opening Control Device)

As of 2018, more states are adapting this feature into their window manufacturing and installation regulations. When activated, the device will allow the window to be opened no more than four inches. If you would like to open the window fully, you can deactivate the device and when you close the window the device automatically reactivates.

Available in White and Almond.

Only available on Double Hung windows.

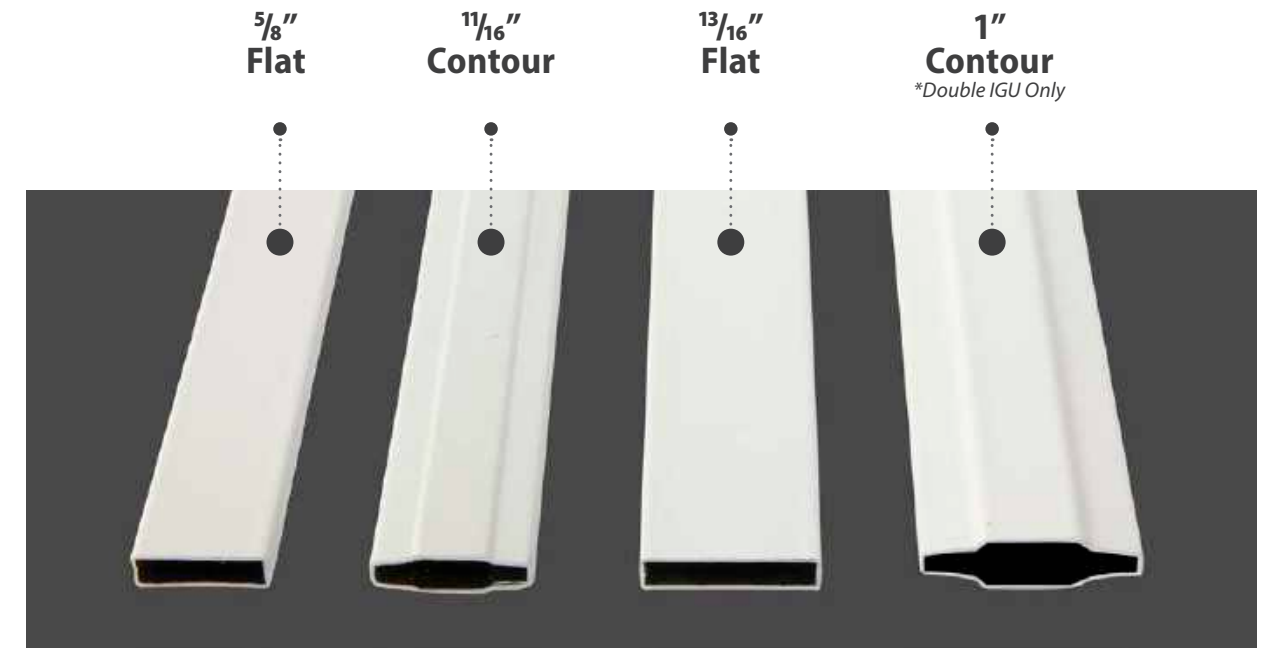
Not available on laminates.



Grids

GBG (Grids Between Glass) are available for windows and for patio doors, consisting 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.*

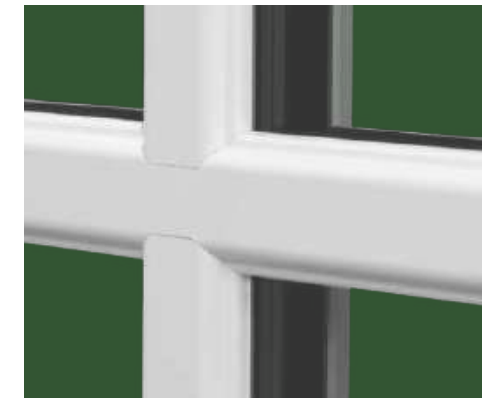
** Nicol's Black available in Euro-White two-tone 1 1/16" Contour Grid ONLY. Custom Colors are not available for GBG.*



Simulated Divided Lites (SDL)

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

Available for double pane only. Not available for triple pane glass.



OKNA Windows are backed by the Lifetime Transferable Limited Warranty. Please ask your certified dealer for details on coverage.

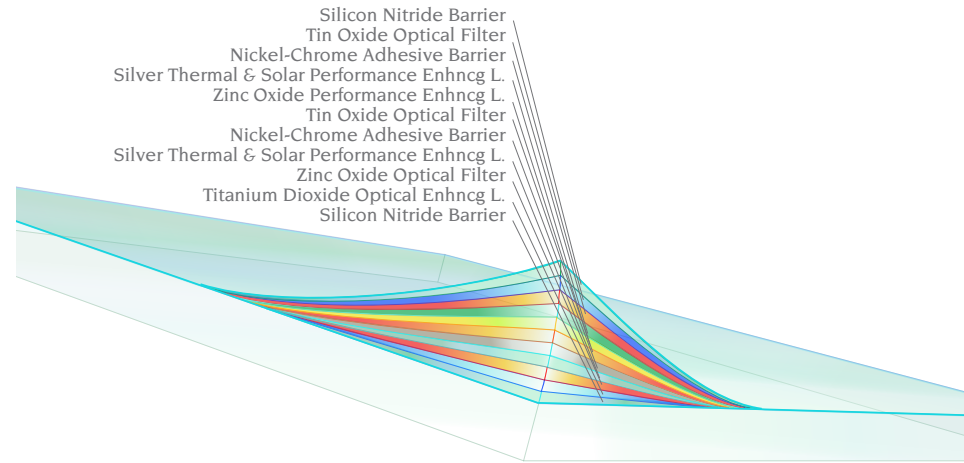


The Glass Unit

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 affect 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, and some energy is reflected.



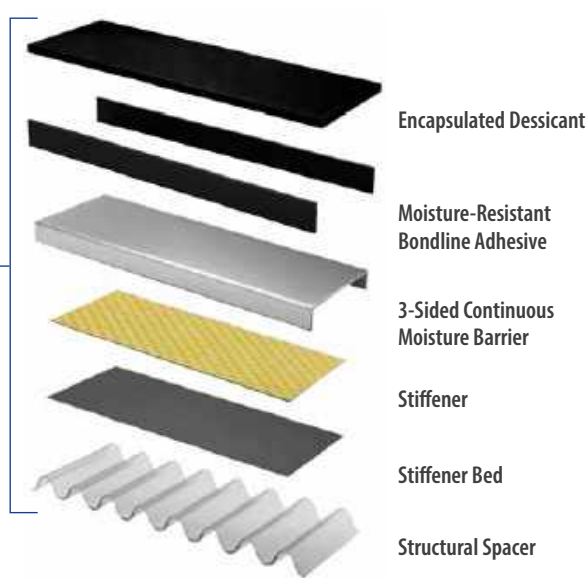
High Performance HeatSeal® Spacer

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. The 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 the spacer 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.

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

Examples of Condensation

Excess condensation will cause water, ice, and mold to collect on your windows. A good quality spacer can significantly reduce the risk of condensation and its aftermath.



Metal Spacer

Warm Edge Spacer

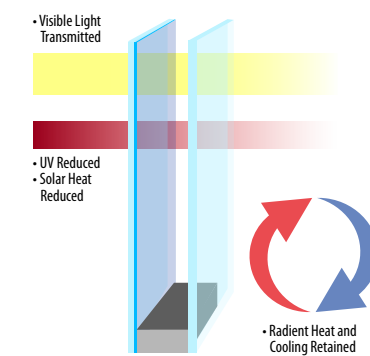
Glass Options

When deciding on what glass package to choose, keep your environment in mind. Do you live in an area that it is mainly sunny and warm, or one that has cold and warm weather? No matter what the answer is, we have a glass coating available to fit your needs. Our HeatSeal® glass is perfect for areas that tend to have fluctuating temperatures in the seasons. It helps to keep the warm air in during the winter and protect your home from the heat of the sun in the summer. For those who deal with warmer climates throughout the year, our SunSeal® glass will help block the heat from sunlight to keep your house cooler.



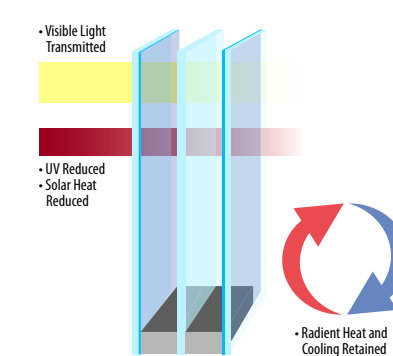
	Clear Glass	HeatSeal® (DP) (AR)	SunSeal® (DP) (AR)	HeatSeal® Triple Glass (TP) (AR)	HeatSeal® Triple Glass (TP) (KR)
U-Factor <i>Measures the rate of heat transfer and tells you how well a window insulates.</i>	√	√√√	√√√	√√√√	√√√√√
Solar Heat Gain Coefficient <i>How well a window blocks heat from the sun.</i>	√	√√√	√√√√√	√√√√	√√√√
Visible Light Transmittance <i>The amount of visible light that comes through a window.</i>	√√√√√	√√√√	√√√	√√√	√√√
UV Protection <i>How well a window protects against ultraviolet rays.</i>	√	√√√	√√√√	√√√√√	√√√√√

HEATSEAL® GLASS

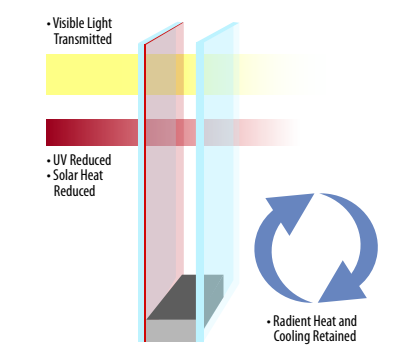


In climates where heating and cooling are the primary concern, HeatSeal® Glass products are designed to take advantage of free solar heat, resulting in higher inside glass temperature. Passive solar and thermal insulation reduce the draft sensation caused by cold glass surfaces, providing windows that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

HEATSEAL® TRIPLE GLASS



SUNSEAL® GLASS



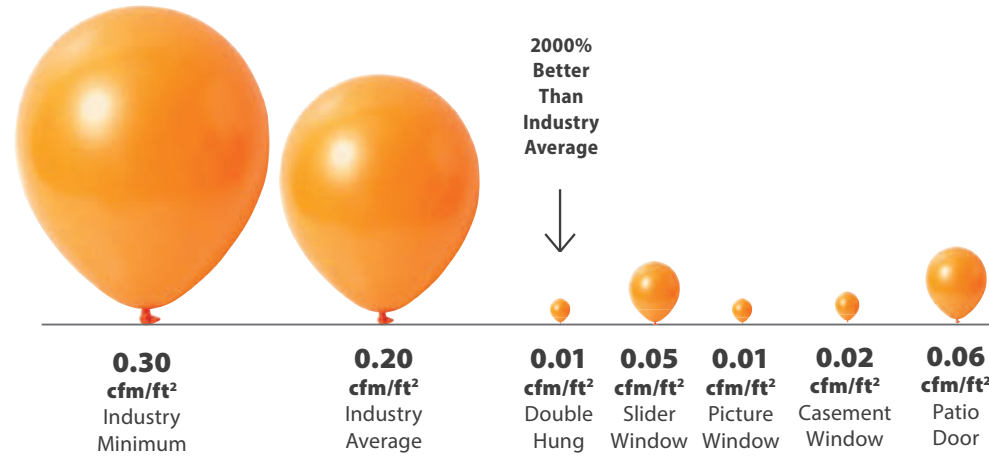
In climates where cooling is your main concern, SunSeal® Glass products are designed to reduce solar heat while still providing color neutrality. This solar control property, combined with thermal insulating benefits, results in beautiful, natural-looking glass that helps keep air conditioning costs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

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.



THERMAL PERFORMANCE PACKAGES

HEATSEAL [®] DELUXE	HEATSEAL [®] TRIPLE DELUXE XR15	HEATSEAL [®] TRIPLE DELUXE XR10	SUNSEAL [®] DELUXE
DOUBLE PANE GLASS UNIT LOW-E GLASS ARGON GAS FOAM-FILLED EXTRUSIONS LOCKING SCREEN	TRIPLE PANE GLASS UNIT LOW-E GLASS ARGON GAS FOAM-FILLED EXTRUSIONS LOCKING SCREEN	TRIPLE PANE GLASS UNIT LOW-E GLASS KRYPTON GAS FOAM-FILLED EXTRUSIONS LOCKING SCREEN	DOUBLE PANE GLASS UNIT HIGH PERFORMANCE GLASS ARGON GAS FOAM-FILLED EXTRUSIONS LOCKING SCREEN

STRUCTURAL PERFORMANCE

	Industry Minimum	DH800	SL820	PW810
NAFS Rating Residential Grade Performance for air/water/structural.	R15	R60	R50	R50
Air Infiltration (cfm/ft²) at speeds of 25mph.	0.30	0.01	0.05	0.01
Water Penetration (MPH) 8" per hour.	33	59	62	62
Structural Integrity Design Pressure (DP) Wind (mph) durability before breaking.	94mph	187mph	171mph	171mph

All OKNA windows and doors meet rigorous North American Fenestration Standard (NAFS). Certification is performed by **The Keystone Certification Program** that is ANSI-accredited to ensure that our products are manufactured as represented by their certifications, which are based on tests performed by accredited laboratories in accordance with the AAMA/WDMA/CSA 101/IS2/A440 – North American Fenestration Standard (NAFS). The NAFS standard defines a rating scale for fenestration product performance, and requires that components used in window & door assemblies also meet stringent component standards. Certification includes annual inspections to ensure the factory quality management system also meets rigid standards - that translates to homeowner peace of mind.



Numbers are subject to change depending on size of window.

THERMAL PERFORMANCE

Please use the QR code or the text link to access the most up-to-date thermal performance numbers for the 800 Series, Casement, and Patio Doors.

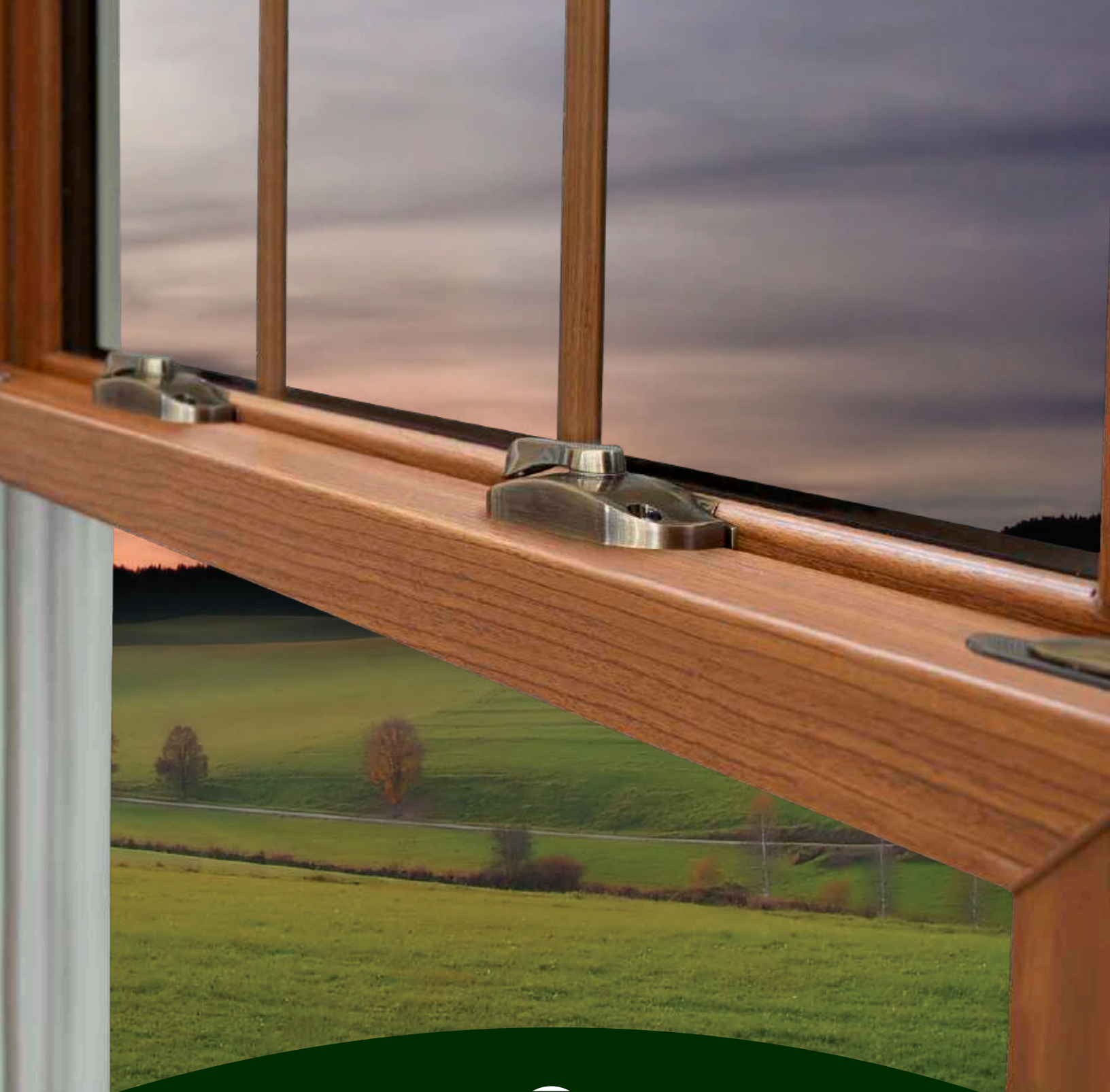
DOUBLE HUNG DH800	SLIDER SL820	PICTURE PW810	CASEMENT CA700	PATIO DOOR 8800PD/8200PD

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

Numbers are based off of windows tested without grids.

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.

Look for the OKNA Window's and Patio Door's Gold Keystone Certification Label



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 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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