INSUL TEC

500 Series by OKNA Windows

OKNA


UNSU



INSUL-TEC

500 Series by OKNA Windows

Insul-Tec is OKNA's premiere product line, designed to keep you and your family happy for many years to come. OKNA brings to you tomorrow's windows, today. Explore our window types below.

Double Hung

A window unit that has two operable sashes, both of which move vertically within its frame.

Slider

A window unit that opens and closes horizontally, in either 2-Lite or 3-Lite configuration.

Picture

A constant state, non-opening window frame.

Casement

A window that is attached to the frame by side hinges and opens outward for ventilation to the left or right.

Bay & Bow

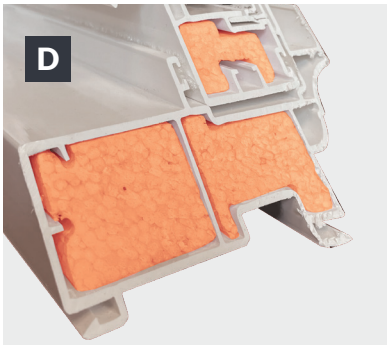
A configuration of three or more windows joined together in an arc formation that projects from the wall of the building.

Simple Reliability









*Foam insertion optional

A **Full 3¼" Depth uPVC Fusion Welded Frame and Sashes** features beveled colonial exterior curves and maximum welded surfaces

B **Sill Dam Wall Mortised into Jamb** Adds strength and lowers the possibility of leaks that may occur at corner seals

C **Fully Integrated Lift Rail** for ease of operation

D **Multichambered Extrusion** improves thermal efficiency*

E **Power Lift Balance System** PowerLift (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.**

F **Slim Profile Sash Lock** with Tamper-Resistant Cam ensures a smooth turn and increases the life cycle over traditional locks

G **Full Integral Interlock with Double Weatherstripping** provides an airtight seal

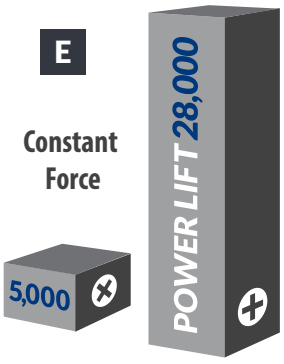
H **Tilt Latches** Easy sash tilting allows for easy cleaning within the home

I **Triple Weatherstripping on Sash** to provide maximum seal



Tilt to Clean

OKNA Double Hung windows come with stylish and functional tilt latches, making cleaning your window easier than ever. Simply engage tilt latches and tilt the window towards you to clean the exterior of your window's glass.



** Based on test performed by BSI Hardware-Amesbury Group

DOUBLE HUNG



Push Button Spring-Loaded Vent Latches

Expands to catch the sash and keep it from moving past your desired height.

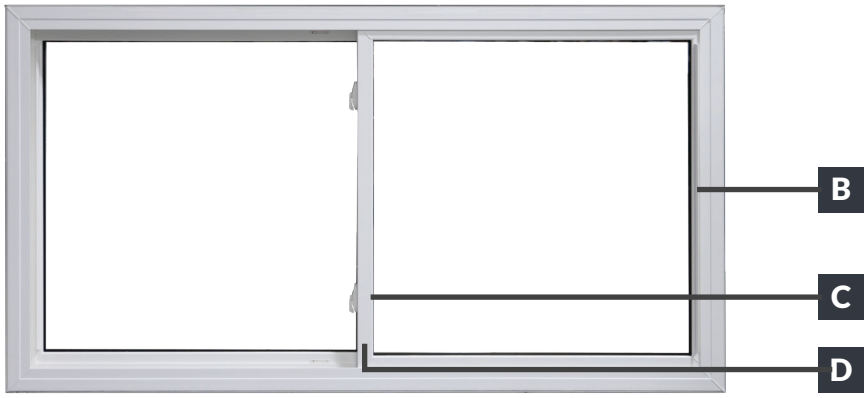
SLIDER



Fiberglass Mesh Half Screens
Standard on all windows. All painted exterior windows come standard with a full screen.

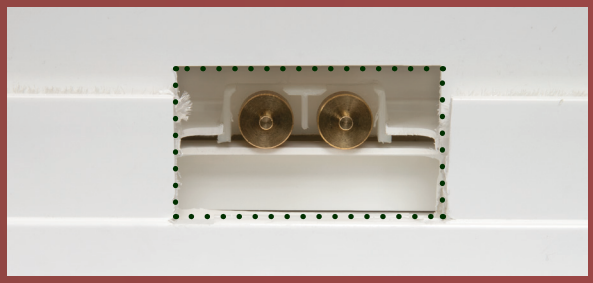
- **A** **Full 3¼" Depth uPVC Fusion Welded Frame and Sashes** features beveled colonial exterior curves and maximum welded surfaces
- **B** **Heavy Gauge Fully Extruded Lift Rail on Both Sashes**
- **C** **Standard Slim Profile Sash Lock & Tamper-Resistant Cam** Smoother turn and increased life cycle over traditional locks.
- **D** **Full Integral Interlock with Double Weatherstripping**
- **E** **Available in Double & Triple Panel Configurations**
- **F** **Available in Replacement & New Construction Applications**
- **G** **Push Button, Spring-Loaded Vent Latches** Allow both window sashes to remain partially open for ventilation





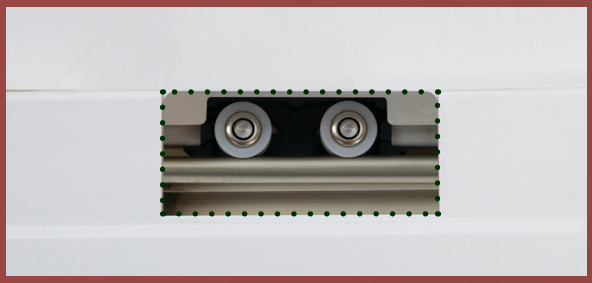
Smooth Glide System
Standard

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.



SLIDER



2-Lite Slider
A slider with two equally sized moving panels.



3-Lite Slider
A slider with two sliding panels and one picture (stationary) center panel.



CASEMENT

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

B **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.

C **Heavy-Duty Extruded Beveled Full Screen** comes standard on Casement & Awning, maximizing visible glass area.

D **Coastal Hardware** available for coastal regions.

E **Folding crank handle** minimizes interference with blinds and other window treatments, making window usage easy and smooth.

F **WOCD (Window Opening Control Device)** *Optional*
The Casement & Awning WOCD can easily disengage and reengage to limit the unit's opening when necessary, in compliance with ATSM F2090-21. The WOCD is required on oversized units.









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.

Similar to the casement window, the awning opens with a crank handle and can be outfitted with an optional WOCD.

CASEMENT

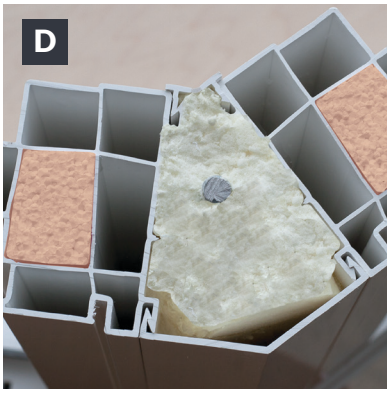


OKNA Mulled **Casement**
in Euro-White with
Euro-White Hardware

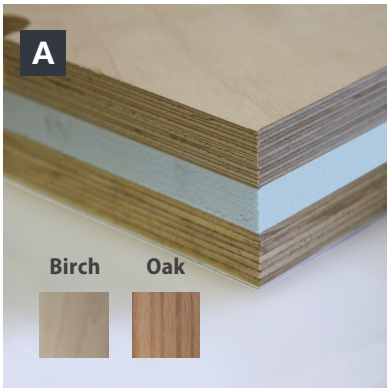
Superior Construction

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.









A **2" Insulated Head & Seat Board**
with Furniture Grade Birch or Oak Veneer & Standard 1 ¼" Jamb.

B **Water Penetration Barrier** below each window and mullion

C **Silicone Free Interior and Exterior**

D **Standard Foam-Insulated Mullions & Threaded Steel Rod**



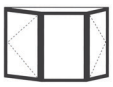


OKNA Bow Window
CA-CA-PW-CA-CA

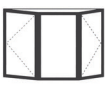
Myriad of Configurations

Bay & Bow Windows are ideal for creating breakfast nooks, dining areas, bath surrounds, and charming views. OKNA 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.

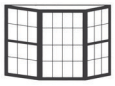
CASEMENT= CA PICTURE=PW DOUBLE HUNG=DH



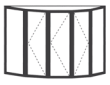
30° or 45°
CA-PW-CA



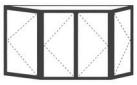
10° or 15°
CA-PW-CA
(Custom)



30° or 45°
DH-PW-DH



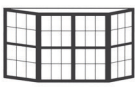
10° or 15°
PW-CA-CA-CA-PW



30° or 45°
CA-CA-CA-CA
(Custom)



10° or 15°
CA-CA-PW-CA-CA



30° or 45°
DH-DH-DH-DH
(Custom)



10° or 15°
PW-PW-PW-PW-PW

BAY & BOW

DH-PW-DH

OKNA Bay Window in Euro-White
with Euro-White Hardware



GARDEN



- **Fully Welded, Rigid uPVC Vinyl Frame** for greater strength and stability.
- **The Multipoint Locking System** provides a tighter seal and added security.
- **Aluminum and Steel Reinforcements** in the front mullion.
- **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".
- **Window Shipped Completely Assembled** for easy installation.
- **AAMA Certified DP-50 (R50) Rating** for units ≤ 63" x 63".*

PANORAMA

E

F

4 PANELS • CENTER-OPENING • MULTIPOINT LOCKING SYSTEM

Panorama joins the Patio Door Collection, offering a center-opening, 4-panel unit for replacement or new construction applications, with Multipoint Locking System that provides four locking points for increased security. Panorama is available with ELEGANTE 9000PD corner welding or FORESTER 9200PD butt joints, for a traditional true-wood appearance.

Catalogue 4-panel unit widths include 107 1/4", 116 1/4", & 140 1/4". Maximum custom width 144". Maximum custom height 96". Standard Multipoint Locking System and Euro-White hardware.

Available in Euro-White, Almond, and our beautiful wood and Onyx Black* laminates.



TRI VIEW

E F

3-PANEL PATIO DOOR

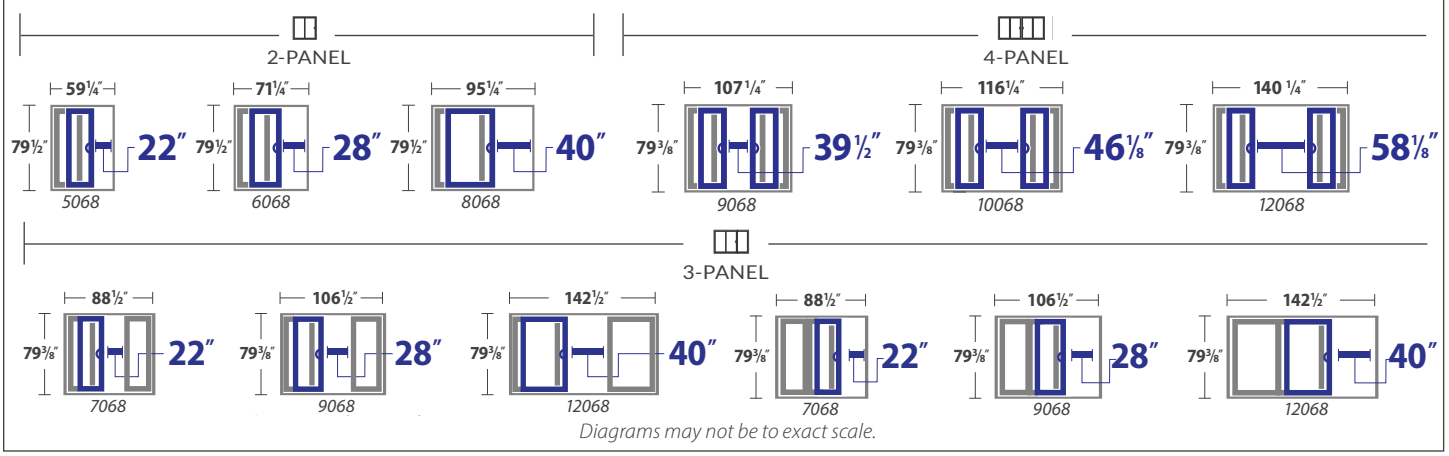


TriView is available with ELEGANTE 8800PD-3C corner welding or FORESTER 8200PD-3C butt joints, for a traditional true-wood appearance. Available in Euro-White, Almond, our beautiful wood and Onyx Black* laminates.

*Catalogue 3-panel unit widths include 88 ½", 106½" & 142 ½". Maximum custom width 144". Maximum custom height 96". Standard 2-Point Locking System** or Multipoint Locking System and Euro-White hardware.*

*Onyx Black not available for Elegante | 8800PD, Elegante | 8800PD-3C or Panorama E| 9000PD.
**For doors greater than 85" in height, the Multipoint Locking System is required.

CATALOGUE SIZES & CLEAR OPENINGS



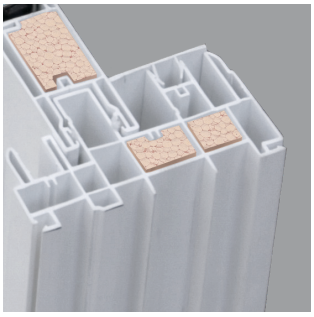
Diagrams may not be to exact scale.



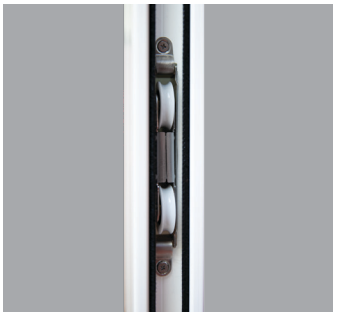
Anodized Aluminum Track, Threshold, & Roller Track for increased strength, durability, and longevity.



Interlocking Meeting Rail
Quadruple weatherstripping, controls air/water/dust/noise infiltration. Full-length heavy gauge reinforcements for rigidity and strength.



Thermally Welded Main Frame
Multichambered 5⅝″ main frame, superior strength and insulation. Better thermal efficiency with optional foam.



Precision-Bearing Tandem Rollers
Operating panels are equipped with adjustable composite precision-bearing tandem rollers for smooth and quiet operation.

OPTIONS +

Multipoint Locking System *Optional*

Upgrade with optional Multipoint Locking System*, with four locking points for added security and used with locking exterior hardware only.

**Multipoint Locking System is standard with 4-panel Patio Doors.*



Foot Lock *Optional*

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** **Black****



***Available for Onyx Black 8200/9200 only.*

Retractable Mini Blinds *Optional*

Installed between the glass, retractable Mini Blinds allow light and privacy control by raising, lowering, and adjusting tilting.

Available on Elegante and Forester Patio Doors, for 5′ & 6′ only.



PATIO DOOR

ELEGANTE

Available in replacement and new construction applications, Elegante | 8800 Patio Doors are ideal for adding light to any room while making the most of limited space. Structural integrity, energy efficiency, and available in Standard Euro-White, Optional Almond, or our beautiful optional wood laminates.



FORESTER

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



DOUBLE HUNG & SLIDER

Euro-White comes standard with the 500 series window and optional Almond available at additional charge.



Euro-White *Heavy Duty Tamper-Resistant Lock & Cam*



Euro-White
Fully Extruded Lift Rail



Euro-White
Standard Finish & Lock



Almond
Optional Finish & Lock

PATIO DOOR INTERIOR & EXTERIOR

Coastal hardware available for coastal regions.

Merit Lock System

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

Intuition Lock System

The ergonomic ONE-MOTION operation allows unlock/open in a single fluid motion.



Euro-White
Standard



Almond
Optional



Euro-White
Standard



Almond
Optional

Coastal hardware available for coastal regions.

Exterior Hardware

We offer two options for exterior hardware on your patio door, locking and non-locking*.

If you have a custom exterior color on your patio door, we will pick one of the hardware options to best match the color. Exterior hardware selections are available in the following colors:





Euro-White



Almond

**4-Panel Patio Doors automatically use locking exterior hardware with their standard Multipoint Locking System.*

HARDWARE +

CASEMENT +

The casement folding crank handle is available on 500 series casement, awning, and bay & bow windows. Coastal hardware is available for coastal regions.



Euro-White
Crank Handle



Euro-White
Standard

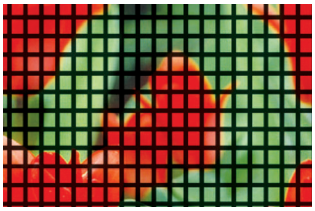


Almond
Standard on Almond

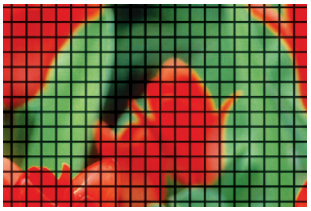
SCREENS +

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.

OKNA Windows offers a standard half screen with a heavy duty handle for easy operation. We also offer an optional locking half screen, which has the benefit of always keeping your screen locked in place. A full screen is also available. *All exterior painted windows must have full screens.*



Industry Average Screen



ThruVision PLUS®
Standard on all OKNA Products



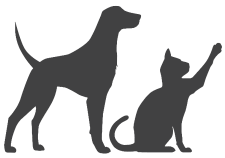
Standard Half Screen
Standard on all OKNA Products

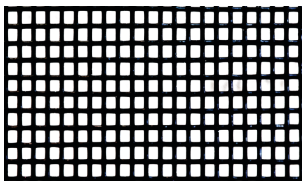


Locking Half Screen
Optional

Patio Door Pet Screen *Optional*

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.*





ADDITIONAL HARDWARE +



Push Button Spring-Loaded Vent Latches

Standard

Expands to catch the sash and keep it from moving past your desired height.

Vent latches not available on laminates.



Window Opening Control Device (WOCD)

*Optional**

When activated, the WOCD 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.*

**See Casement Page for Casement WOCD*

Grids *Optional*

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.*

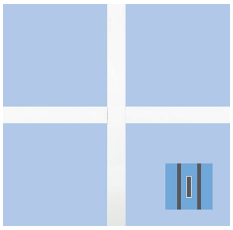


Flat Grids Between Glass (GBG)

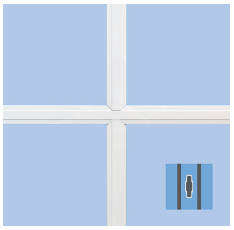


Contour Grids Between Glass (GBG)

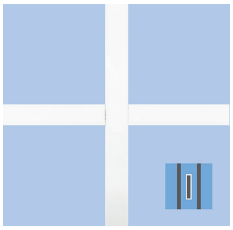
TYPE



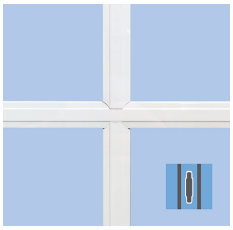
5/8" Flat GBG
Euro-White/Euro-White & Almond/Almond Only.



11/16" Contour GBG

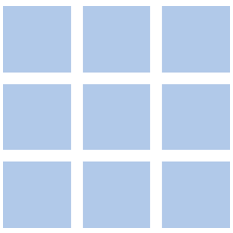


13/16" Flat GBG
Euro-White Only.

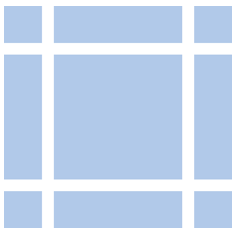


1" Contour GBG
**Double IGU Only, Euro-White Only.*

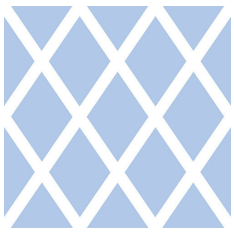
PATTERN



Colonial



Prairie



Diamond
Available only with 5/8" Flat (GBG).

** Nicol's Black available in Euro-White two-tone 11/16 " Contour Grid ONLY. Custom Colors are not available for GBG.*

Specialty Glass *Optional*

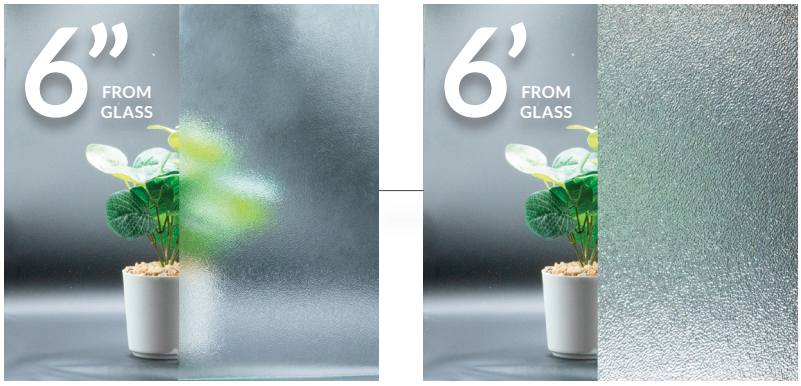
OKNA offers specialty glass in a variety of distinctive choices that add visual interest to any design while offering variability in light control. Shown at right is our Obscure textured glass. With a range of options at your fingertips, you can find the glass choice for your application and aesthetic,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

Tempered
For increased strength

Custom Configuration
For more aesthetic choices

Laminated
For increased impact resistance and noise reduction

Textured
For increased privacy (See right.)



Obscure

CUSTOMIZATION +

COLOR Selections

Insul-Tec | 500 Series offers standard Euro-White and optional Almond. We also offer seven 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 VINYL

Euro-White *Standard*

Almond *Optional*

EXTERIOR PAINT

Almond *Optional*

Sandstone *Optional**

Terra Brown *Optional**

Cocoa *Optional*

Basic Brown *Optional**

Bronze *Optional*

Nicol's Black *Optional**

Custom Colors *Optional*

*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. * Surcharge applied for painted screens.*

Custom Colors *provide nearly limitless exterior options for windows & patio doors.*

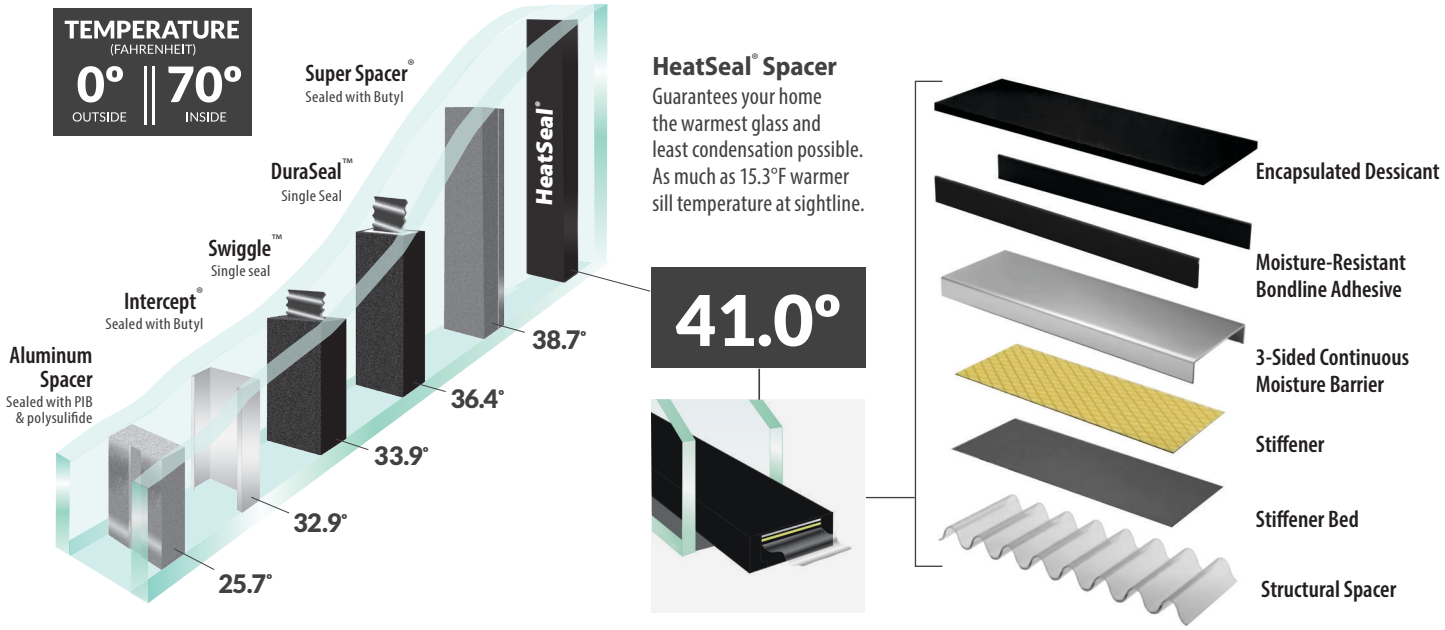


The Glass Unit

The glass unit is one of the most important elements of your new window. Your decision will dramatically affect your living comfort and expenses for many years.

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.



Super Spacer® is a registered trademark of Edgetech I.G., Inc • Intercept® is a registered trademark of PPG 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 spaces are 0.562" wide 0.033 emittance low-E glass.

Reducing Condensation

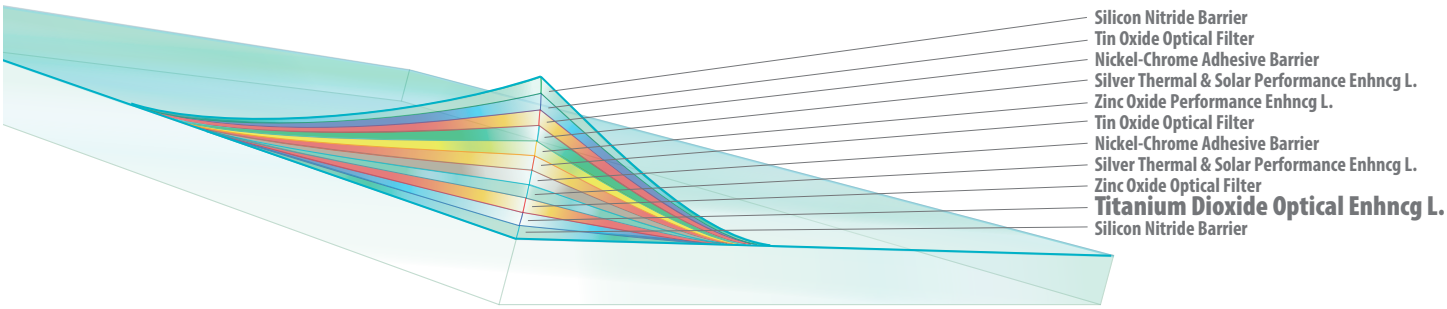
Excess condensation will cause water, ice, and mold to collect on your windows. A good quality spacer can significantly reduce the risk of condensation and its aftermath.





High Performance Reflective Glass Coatings

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



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.

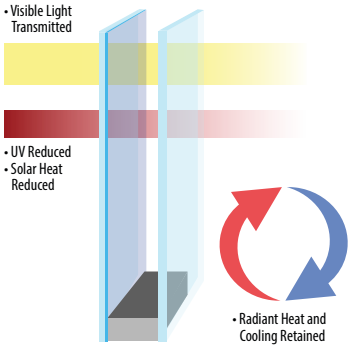
Clear Glass	HeatSeal® Coated Glass	SunSeal® Coated Glass

(AR)	(KR)	(DP)	(TP)
Argon Gas	Krypton Gas	Double Pane	Triple Pane

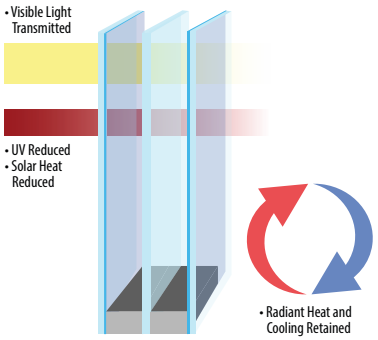


	HeatSeal® (DP) (AR)	SunSeal® (DP) (AR)	HeatSeal® Triple Glass (TP) (AR)	HeatSeal® Triple Glass (TP) (KR)
U-Factor *Measures the rate of heat transfer and tells you how well a window insulates.*	√√√	√√√	√√√√	√√√√√
Solar Heat Gain Coefficient *How well a window blocks heat from the sun.*	√√√	√√√√√	√√√√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

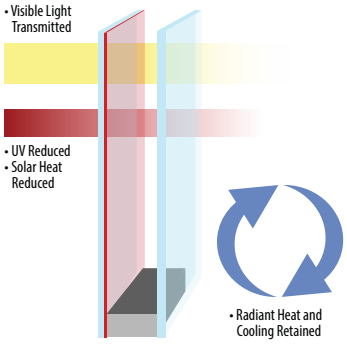
HEATSEAL® GLASS



HEATSEAL® TRIPLE GLASS



SUNSEAL® GLASS

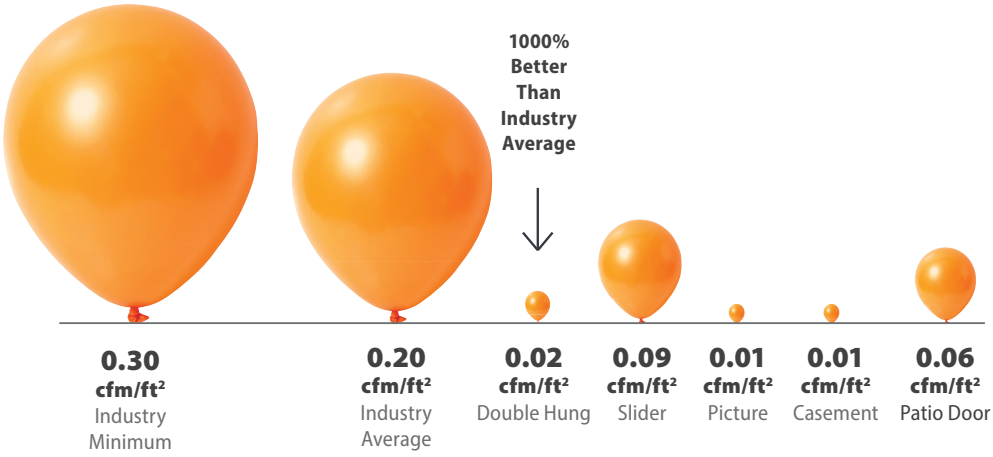


In climates where heating and cooling are the primary concern, HeatSeal® Glass products are designed to take advantage of free solar heat, resulting in higher inside glass temperature. Passive solar and thermal insulation reduce the draft sensation caused by cold glass surfaces, providing windows that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

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.

Air Infiltration

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/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	DH500	SL520	PW510
AAMA Rating Residential Grade Performance for air/water/structural.	R15	**R50**	**R40**	**R75**
Air Infiltration (cfm/ft²) at speeds of 25mph.	0.30	**0.02**	**0.09**	**0.01**
Water Penetration (mph) 8" per hour.	33	**54**	**59**	**77**
Structural Integrity Design Pressure (DP) Wind (mph) durability before breaking.	94mph	**171mph**	**153mph**	**125mph**

Numbers are subject to change depending on size of window.

All OKNA windows and doors meet rigorous fenestration standards. 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.

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

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 products within this series have been recognized as the **Most Efficient of ENERGY STAR 2025**.

ENERGY STAR Most Efficient 2025 www.energystar.gov

National Fenestration Rating Council®

Numbers are subject to change depending on size of window.

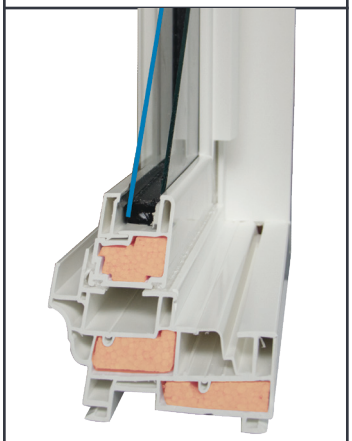
The results are based on a tested window sample by AAMA testing window guidelines. Title of Test & Method: Air Infiltration - ASTM E 283 75 PA - (1.6 psf) 25 mph.

THERMAL PERFORMANCE

HEATSEAL® DELUXE

uPVC FRAME
FRAME & SASH FOAM FILL
LOW-E GLASS
¾" DOUBLE PANE IGU
ARGON GAS (90)

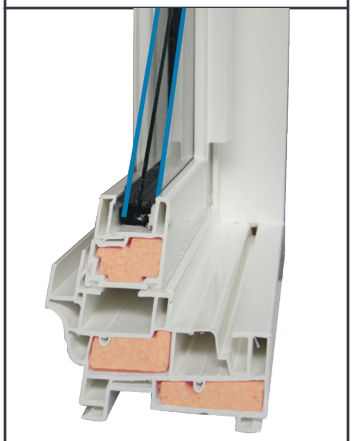
No Grids



HEATSEAL® TRIPLE DELUXE XR9

uPVC FRAME
FRAME & SASH FOAM FILL
LOW-E GLASS
15/16" TRIPLE PANE IGU
ARGON GAS (90)

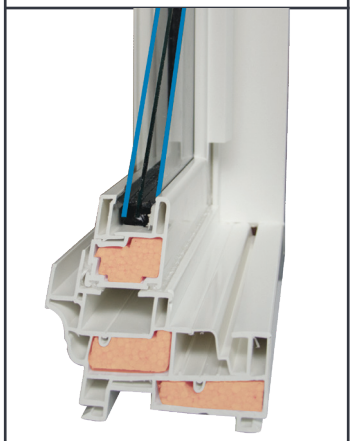
No Grids



HEATSEAL® TRIPLE DELUXE XR10

uPVC FRAME
FRAME & SASH FOAM FILL
LOW-E GLASS
15/16" TRIPLE PANE IGU
KRYPTON GAS (90)

No Grids



SUNSEAL® DELUXE

uPVC FRAME
FRAME & SASH FOAM FILL
HIGH PERF. GLASS
¾" DOUBLE PANE IGU
ARGON GAS (90)

No Grids



Please use the QR code or the text link to access the most up-to-date thermal performance numbers for the 500 Series, Casement, and Patio Doors.
Numbers are based off of windows tested without grids.

DOUBLE HUNG	SLIDER	PICTURE	CASEMENT	PATIO DOOR	PATIO DOOR
DH500	*SL520*	*PW510*	*CA700*	*8800PD/8200PD*	*9000PD/9200PD*

XR9: Triple pane glass, 15/16" XR10: Triple pane glass, 15/16" XR13: Triple pane glass, 1-3/16", PD Only XR14: Triple pane glass, 1-3/16", PD Only 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.

OKNA

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

WARRANTY PROTECTED



OKNA

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.

ENERGY STAR

MANUFACTURED PROUDLY IN AMERICA

05/2026

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