

VIRTUS

WINDOW & DOOR SYSTEMS

TOMORROW'S TECHNOLOGY TODAY

X8 SERIES

The X8 Series is our high end vinyl replacement window.

This series offers a myriad of glass and structural options to seamlessly blend with any décor while providing exceptional energy efficiency. The beautiful colonial exterior curves which allow for maximum weld surface resulting in years of long lasting performance. The classically refined line of the X8 Series brings to mind a traditional wood window without most of the maintenance responsibilities. A streamlined design, packed with a variety of features makes this window a sophisticated choice.

With the X8 Series, we are pleased to provide a breakthrough product to all of our customers.



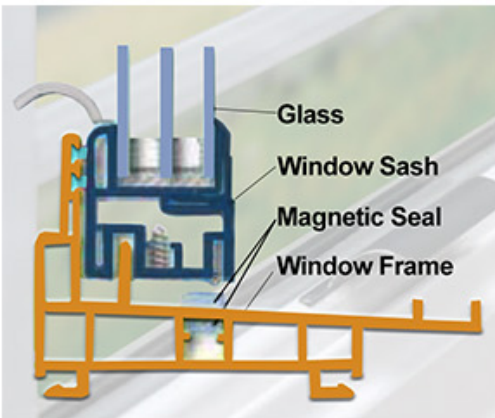
X8



X8 Double Hung

- **Full 3 1/4" Depth Welded Mainframe.** The elegant, beveled profile of our X8 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.
- **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.
- **A variety of hardware options** fits harmoniously into any décor.
- **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 5 inches.

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



Additional high density composite stiffener (shown in green) inside the upper part of the sash makes our windows structurally stronger than other windows available on the market.



X8 Sliding Windows

The slider window is a popular style for today's homes. X8 Series Sliding Windows combines a sleek design for more glass viewing area and exceptional performance.

Features delivering exceptional wind and water resistance

- Fusion welded sash and frame corners for excellent performance.
- Sloped sill for enhanced drainage performance.

Features delivering exceptional insulating performance

- Multi-chamber design that buffers interior and exterior temperatures.
- Double weather-strip system around sliding sash for enhanced performance and reduced air infiltration.
- Double weather-stripped interlock design 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.

Added features of the Sliding Window System

- Dual heavy duty cam lock & keeper on windows over 24 inches high for added security. (1)
- The slider features a handle style based on traditional wood windows. (2)
- Standard factory-installed bumpers ensure quiet operation. (3)
- Brass wheels allow the slider to smoothly glide across its track. (4)



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X7 Casement Windows



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.

The casement opens a full 90 degrees for maximum ventilation and easy cleaning from inside the home.



Awning Windows



Our Awning Window offers a streamlined look which is practical in areas with obstructions. It cranks out smoothly for air circulation while protecting your home from the outside elements.

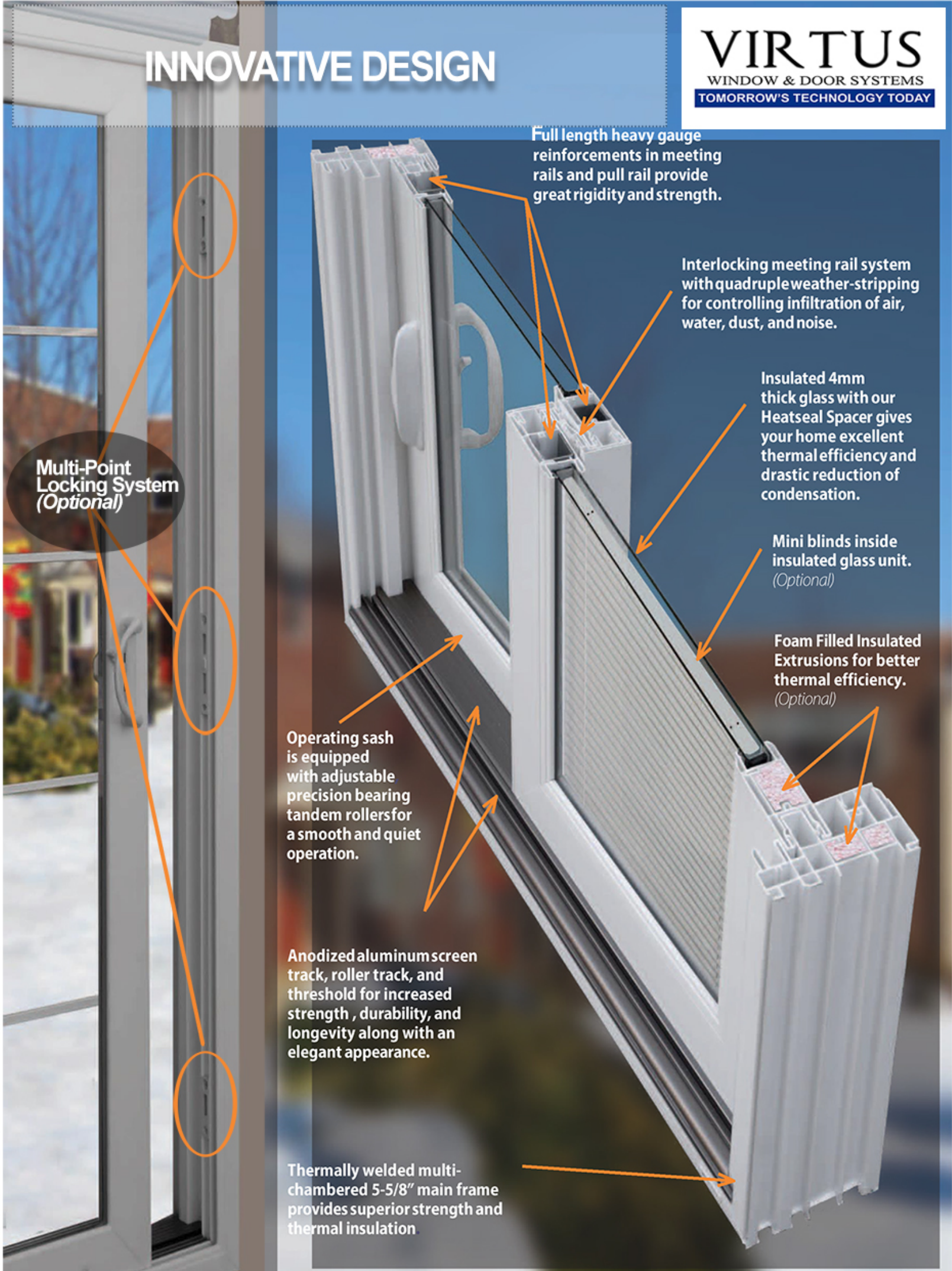


INNOVATIVE DESIGN

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Full length heavy gauge reinforcements in meeting rails and pull rail provide great rigidity and strength.

Interlocking meeting rail system with quadruple weather-stripping for controlling infiltration of air, water, dust, and noise.

Insulated 4mm thick glass with our Heatseal Spacer gives your home excellent thermal efficiency and drastic reduction of condensation.

Mini blinds inside insulated glass unit. *(Optional)*

Foam Filled Insulated Extrusions for better thermal efficiency. *(Optional)*

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

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

Thermally welded multi-chambered 5-5/8" main frame provides superior strength and thermal insulation

Multi-Point Locking System *(Optional)*

Patio Doors

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

Colors Options

All colors except Euro-White are available at an additional charge.

	Same Interior/Exterior Color			Euro-White Interior/ Exterior Color Options				Interior Laminate Options (<i>Melrose Cherry and Natural</i>)				
<i>Interior Color</i>	Euro-White (Standard)	Almond (Optional)	Cocoa (Optional)	Euro-White (Standard)	Euro-White (Standard)	Euro-White (Standard)	Euro-White (Standard)	Melrose Cherry (Optional) Natural (Optional)	Melrose Cherry (Optional) Natural (Optional)	Melrose Cherry (Optional) Natural (Optional)	Melrose Cherry (Optional) Natural (Optional)	Melrose Cherry (Optional) Natural (Optional)
<i>Exterior Color</i>	Euro-White (Standard)	Almond (Optional)	Cocoa (Optional)	Almond (Optional)	Cocoa (Optional)	Bronze (Optional)	Custom Colors (Optional)	Euro-White (Standard)	Almond (Optional)	Cocoa (Optional)	Bronze (Optional)	Custom Colors (Optional)

Basic Lock System



Euro-White Finish
Euro-White Lock
(Standard)

Almond Finish
Almond Lock
(Optional)

Cocoa Finish
Cocoa Lock
(Optional)

Melrose Cherry Finish
Antique Brass Lock
(Optional)

Natural Finish
Brushed Nickel Lock
(Optional)

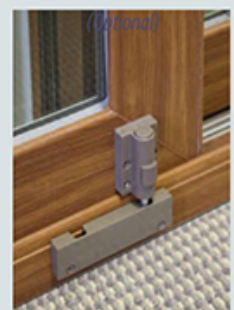
Intuition



Available Finishes:

- Euro-White
- Almond
- Cocoa
- Antique Brass
- Brushed Nickel

Foot Bolt



Push Button Spring-Loaded Foot Bolt is easy to lock and can be set to allow ventilation while having extra security.

Available in Euro-White, Almond, and Cocoa.

Color

VIRTUS Windows offer three 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

DOUBLE HUNG, SLIDER, PICTURE WINDOWS



Euro-White Finish
Euro-White Lock (Standard)



Melrose Finish Antique
Brass Lock (Optional)



Cognac Finish
Brushed Nickel Lock (Optional)



Natural Finish
Brushed Nickel Lock (Optional)



Euro-White
(Standard)

Optional Colors



Almond



Cocoa



Bronze



Custom Color

CASEMENT AND AWNING WINDOWS



Almond Finish
Almond Lock (Optional)



Cocoa Finish
Cocoa Lock (Optional)



Euro-White Finish
Euro-White Lock (Standard)



Melrose Finish
Antique Brass Lock (Optional)



Cognac Finish
Brushed Nickel Lock (Optional)



Natural Finish
Brushed Nickel Lock (Optional)



Almond
(Optional)



Cocoa
(Optional)



Euro-White
(Standard)

Optional Colors



Almond



Cocoa



Bronze



Custom Color

*Adobe Grey Standard Lock for Laminate Windows.
Printed colors may not match the product's actual color.
Please visit a local dealer to view actual color samples.

Screen



Factory-installed half screen with heavy-duty handle.



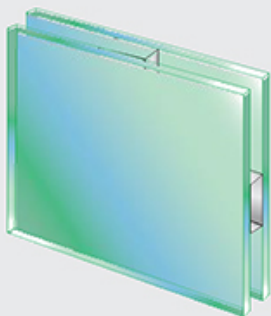
Optional locking screen provides an additional safety measure.*

**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.

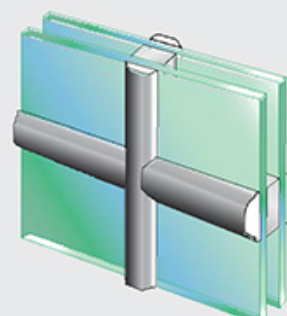
GBG (Grids between glass) consist of aluminum bars sealed in the insulating airspace between the two panes of glass. Because the interior and exterior glass surfaces are not affected, cleaning your windows is a much easier task. GBG grids on two tone windows are available with matching interior and exterior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



Flat Grids between glass



Contour Grids between glass



Simulated Divided Light (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.

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 and Method: Air Infiltration-ASTM E28375PA-(1.6psi)/25mph

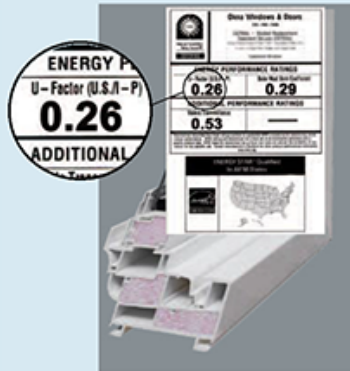
THERMAL PERFORMANCE

Double Hung

Energy Saving Glass
Double Pane
Argon Gas



Deluxe Package
Double Pane
Argon Gas



Energy Saving Glass
Triple Pane
Argon Gas



Deluxe Package
Triple Pane
Argon Gas



Casement

Energy Saving Glass
Double Pane
Argon Gas



Deluxe Package
Double Pane
Argon Gas



Energy Saving Glass
Triple Pane
Argon Gas



Deluxe Package
Triple Pane
Krypton Gas



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It's Easy to See Why So Many People Are Insisting on VIRTUS WINDOWS

THERMAL PERFORMANCE (U-VALUE)

	Double Hung	Slider	Casement	Patio Doors	Energy Star Requirement*
HEATSEAL™ GLASS					
Clear Glass	0.45	0.45	0.41	0.43	0.30
Energy Saving Package	0.28	0.28	0.26	0.27	0.30
Deluxe Package	0.26	0.26	0.25	0.26	0.30
HEATSEAL™ TRIPLE GLASS					
Energy Saving Package	0.22	0.22	0.20	0.20	0.30
Deluxe Package	0.20	0.20	0.20	0.19	0.30
Deluxe Package -	N/A	0.16	0.16	0.16	0.30

STRUCTURAL

	Double Hung (40"x	Slider (63"x44")	Casement (33"x64") (Jan 2012)	Patio Doors (71"x80")	Industry Minimum
DUAL GLAZED					
AAMA Rating	R 60	R50	R 70	R60	R15
Air Infiltration (cam/ft2)	0.01	0.05	0.01	0.06	0.30
Water Penetration (mph)	59	62	64	59	33
Structural Integrity (mph)	187	171	203	187	94

* Northern Climate Zone

aama Rating - Specifies a window/door's resistance to wind and other dynamic pressures. The higher the DP rating the stronger the window/door.

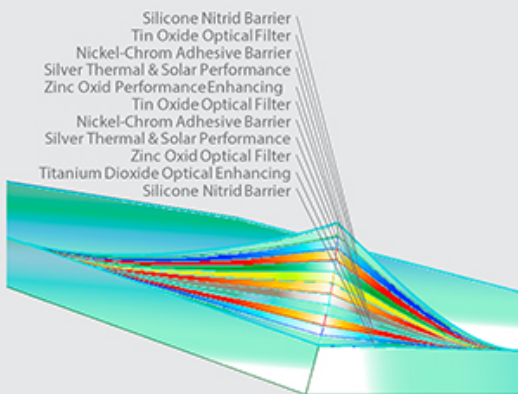
air Infiltration - CAM/FT2 - The amount of air in cubic feet per minute that may come through the window/door at speeds of 25mph.

Water Penetration - mph - Specifies wind load pressure in mph a window/door can withstand without leaking, under rain equivalent to 8" per hour.

Structural Integrity - mph - Wind load in mph the window/door can withstand before breaking.

HEATSEAL® CLASS SYSTEM

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.

HIGH PERFORMANCE INSULATED GLASS UNIT SPACER

Most windows are manufactured with a metal spacer in between the glass which causes excessive condensation and heat loss.



Our HeatSeal® non-metal spacer creates an excellent thermal barrier and reduces the transfer of heat and cold into the home.

ARGON GAS



Filling the gap between the glass panes with a low-conductivity gas such as argon improves window performance by reducing the overall transfer of heat or cold between the inside and outside of your home.

All result numbers are based on tested window sample by NFRC and AAMA testing window guidelines. Use for comparison purposes only.

Actual values may vary depending on installation, size of the window and other conditions.

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.

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