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***STARMARK EVO***

The Evolution of Windows









For over 20 years, our engineers have been applying a homeowner-focused design process for all of our products. Our goal is to manufacture windows that meet the expectations and unique needs of all our customers. Starmark Evo (7500), our newest window, is beautifully crafted with advanced polymeric composite (APC) that was created for the specific needs of the window industry. Starmark Evo has elevated the industry standards with superior performance and a durability guarantee that will ensure a lifetime of comfort for your family.



Starmark Evo windows are backed by the Lifetime Transferable Limited Warranty. Please ask your certified dealer for details on coverage.



Double Hung



# From Dream To Reality

We designed Starmark Evo to help make your dream home a reality. Our windows have the clean, sleek, matte finish of traditional wood windows. We offer a variety of internal laminates, endless exterior colors, unique hardware options, and custom configurations and shapes to fulfill your vision.



# A Unique Creation

Double Hung is the most ubiquitous window in the USA. Why is our window better than those manufactured by other companies? First, the amazing material, APC, allows us to make solid sashes and frames which do not require additional insulation. The windows have rigid, extruded interlocks at the meeting rail that provide a tighter seal to minimize drafts. They also include beautiful, ergonomically designed hardware with modern finishes. We offer multiple glass options that will satisfy any homeowner.



## Butt-Joint Weld

The Starmark Evo is built using a butt-joint weld, showcasing a traditional joinery with the benefits of advanced fusion welding. Not only does this method make our product stronger, it also adds the beautiful aesthetics of a true wood window.



# Engineering and Manufacturing Excellence

Starmark Evo, our premiere product, provides you with unmatched performance and quality. You are receiving some of the best thermal performance benefits in the industry. We have combined a multitude of principal features to build our windows. Some of the special features that you will find on your double hung window include bulb gaskets on the top sash, meeting rail, and bottom sash, dual dam leg on window sill, and V-Fin gaskets on the sides to make the window seal tight.

## **Solid Sashes and Frame**

Fully welded construction to ensure long lasting performance.

## **Appearance of Wood with Butt Joint**

A classic look to fit any style.

## **Seven-Point Gasket Seal**

Minimizes air leakage.

## **No Insects, No Warping. No Decay**

Longevity for years to come.

## **Rigid Interlocks**

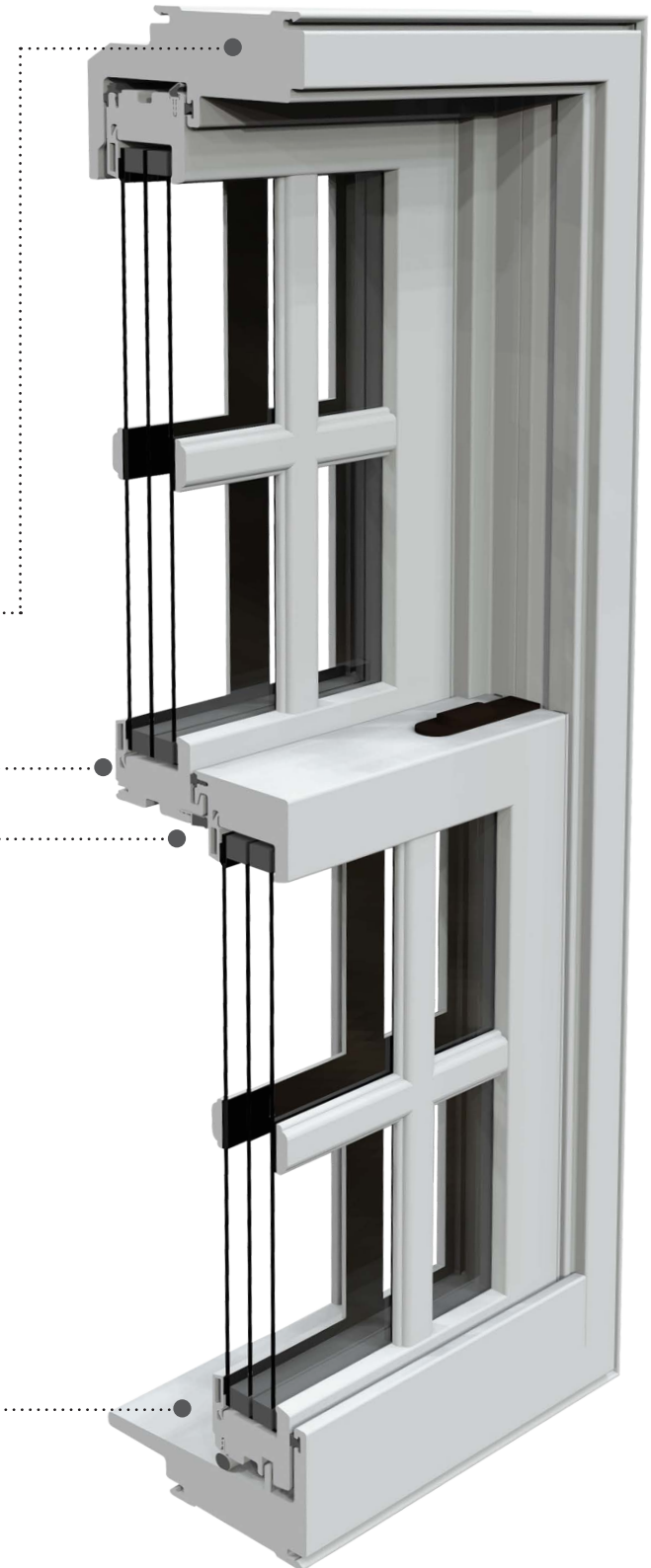
Minimizes deflection

## **Better Screw Retention than Vinyl**

Unbeatable strength and stability.

## **Sloped Sill with Dual Dam Leg**

Superb drainage and no weep holes.







Sliding Window

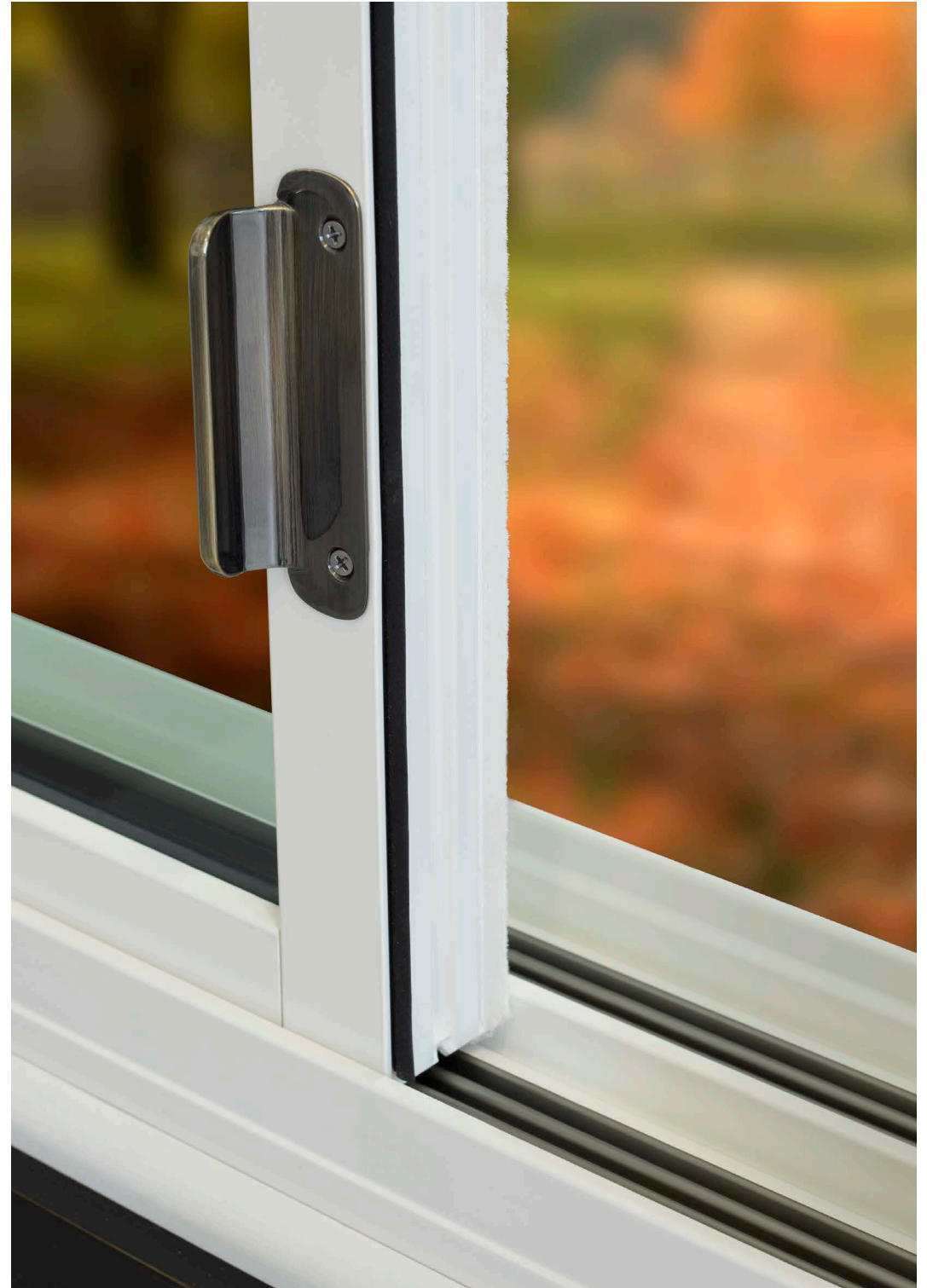


# Let The Sunshine In

Starmark Evo Sliding Windows are clean lined, functional, and can be used to open up a panoramic viewing area in any room. They also provide a graceful sense of spaciousness to any interior. With their sleek hardware and contemporary feel, Starmark Evo Sliding Windows are perfect for spaces that incorporate modern designs. With a wide range of glass options and internal grid patterns, there are countless ways to incorporate their smooth functionality into your home.

## EZ Glide System

Enjoy the ease of opening Starmark Evo 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. The image below showcases how the EZ Glide System operates on your sliding window.









Starmark Evo Casement Windows offer a whole new level of beauty in a window that is also incredibly functional. The superior design makes it ideal not only for single window units but also for creating multiple assemblies like Bows, Bays, Pictures as well as your own original combinations. The casement opens to a full 90 degrees for maximum ventilation and easy cleaning from inside the home. Folding crank handles, standard on all casement windows, minimize interference with blinds and other window treatments. A beveled screen frame offers the appearance of wood molding for added beauty. (Available on Casements and Awnings)

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 such as a Picture window.

## ***\*New\**** Locking System

Unlike other casement products, Starmark Evo Casement and Awning Windows come with an innovative multi-point locking system strategically placed around the entire window. By having consistent locking at the top corners of the windows, we are decreasing air infiltration and ensuring structural stability in the weakest area of a typical casement window.

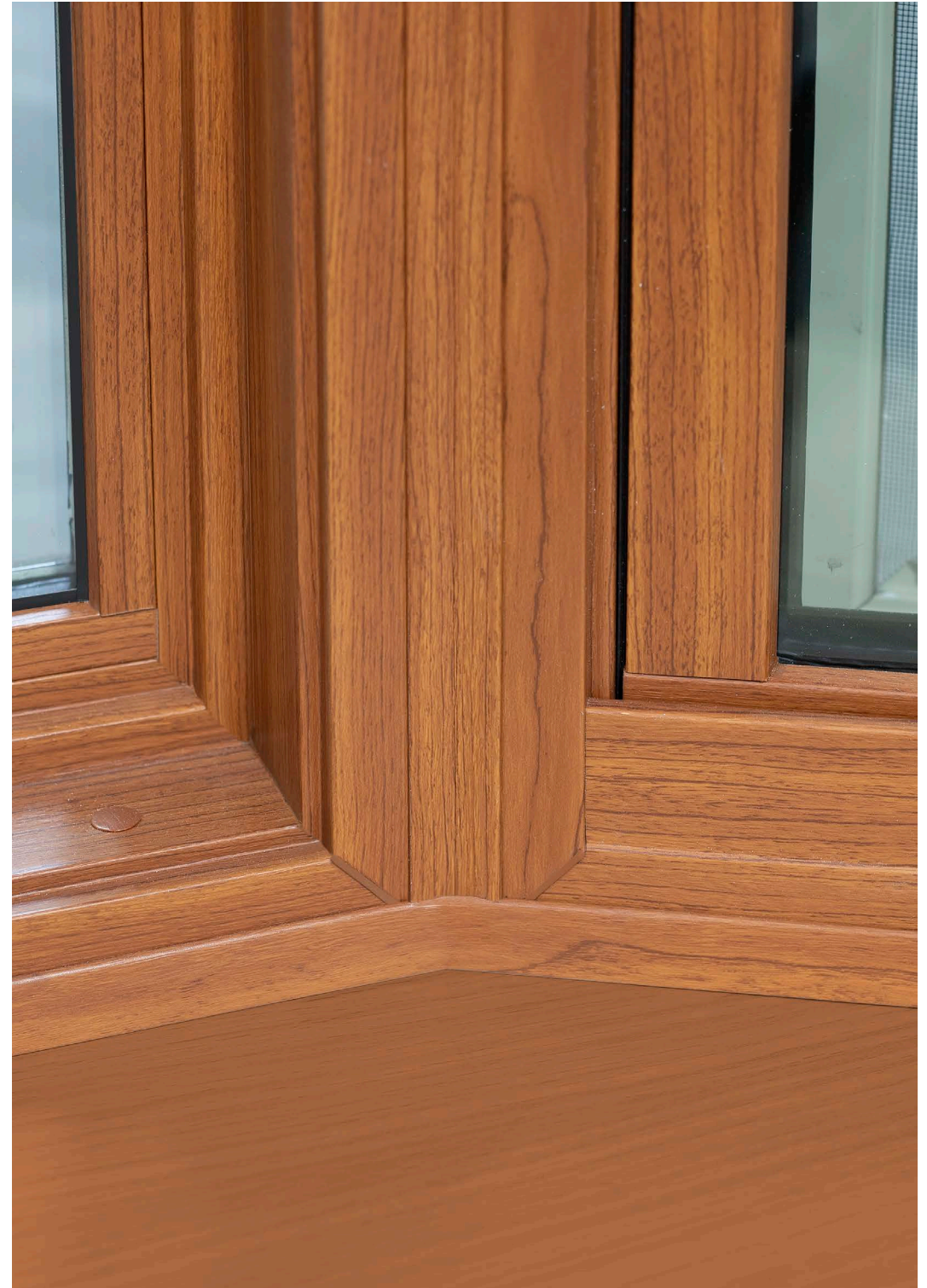








Starmark Evo Bow windows are comprised of all the characteristics of an exceptional window design including meticulous attention to preserving the traditional aesthetics, modern functionality and unparalleled energy efficiency. Our Bay windows are one of the most popular ways to give your room more light and space without adding square footage. We offer Bay and Bow windows in many custom configurations containing Casement, Picture, and Double Hung windows. Each window has two inch insulated head and seat boards with furniture grade veneers and standard 1 1/4 inch jambs to improve structural and thermal performance. An Oak upgrade is available at an extra fee. The silicone free interior and exterior guarantee a clean and elegant finish.







Options



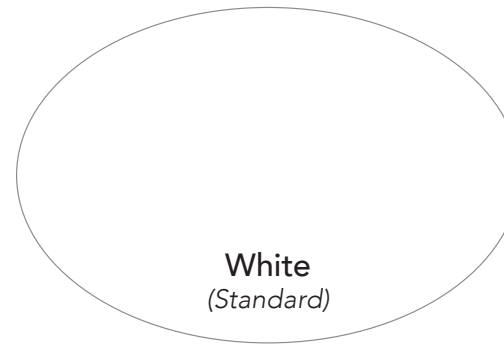
# Color Options

Starmark Evo offers three beautiful internal laminates in addition to our standard 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 window a vibrant and long-lasting color finish.

All colors except 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.

*All painted Double Hung and Sliding Windows must have full screens.*

## Interior Colors



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## Exterior Colors



# Double Hung and Slider Hardware Options

Now that you have decided on the style and color of your window, it is time to think about the accessories! What is your preference? Are you looking for a modern sleek appearance, classic and timeless, vintage, or something in between? No matter the style, we have a hardware finish for you. For example, change things up with a White window by adding Matte Bronze hardware to get a more modern feel!

Our beautiful, oversized, lock and keepers bring an elegance to the window that you will not see anywhere else. Starmark Evo White windows come standard with White hardware. All laminated windows will come standard with our Matte Bronze hardware. These options can be upgraded with the other hardware finishes at an extra fee.



**White**  
(Standard)

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**Matte Bronze**  
(Standard on All Laminates)

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**Brushed Nickel**  
(Optional)



**Antique Brass**  
(Optional)

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# Casement and Awning Hardware Options



**Brushed Nickel**  
(Optional)

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**White**  
(Standard)

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**Matte Bronze**  
(Standard on All Laminates)

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Starmark Evo Casement 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! Starmark Evo White windows come standard with White hardware. All laminated windows will come standard with our Matte Bronze hardware. These options can be upgraded with the other hardware finishes for an extra fee.



**Antique Brass**  
(Optional)

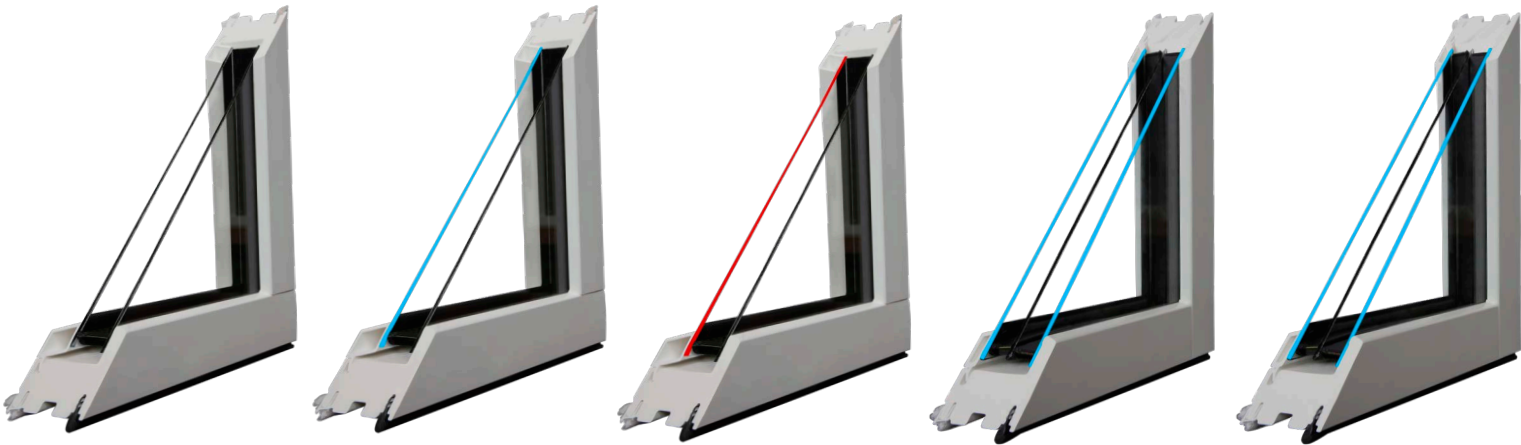
# Glass Options

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



Clear  
(Double Pane)

HeatSeal  
(Double Pane)

SunSeal  
(Double Pane Only)

HeatSeal  
Super Glass  
(Triple Pane)

HeatSeal Super  
Glass (Krypton Blend)  
(Triple Pane)

	Clear (Argon Gas)	HeatSeal (Argon Gas)	SunSeal (Argon Gas)	HeatSeal Super Glass (Argon Gas)	HeatSeal Super Glass (Krypton Blend)
<b>U-Factor</b> <i>Measures the rate of heat transfer and tells you how well a window insulates.</i>	✓	✓✓✓	✓✓✓	✓✓✓✓	✓✓✓✓✓
<b>Solar Heat Gain Coefficient</b> <i>How well a window blocks heat from the sun.</i>	✓	✓✓✓	✓✓✓✓✓	✓✓✓✓	✓✓✓✓
<b>Visible Light Transmittance</b> <i>The amount of visible light that comes through a window.</i>	✓✓✓✓✓	✓✓✓✓	✓✓✓	✓✓✓	✓✓✓
<b>UV Protection</b> <i>How well a window protects against ultraviolet rays.</i>	✓	✓✓✓	✓✓✓✓	✓✓✓✓✓	✓✓✓✓✓



## Specialty Glass Options

Starmark Evo offers textured glass in a variety of distinctive choices that add visual interest to any design while offering variability in light control. Shown below are our Regular Obscure glass and our Niagara Obscure glass. Other available glass options are tempered, laminated, and custom configuration. 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



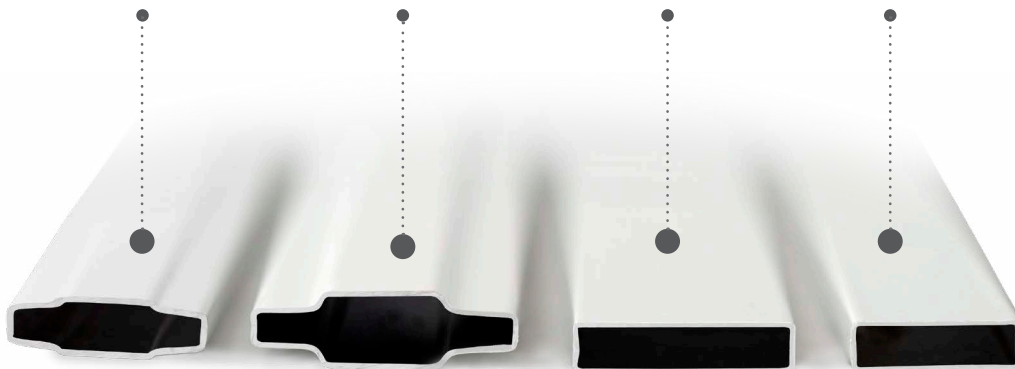
Niagara

11/16 inch  
Contour Grid

1 inch  
Contour Grid  
*\*Double IGU Only*

13/16 inch  
Flat Grid

5/8 inch  
Flat Grid



## Grid Options

Grids Between Glass (GBG) 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 Light (SDL) permanent interior and exterior grids will provide a truly authentic divided light look. Interior grids are available in a White or Wood Laminate. External grids are available in White or colors to match the product's exterior.

### New! Victorian Grids

Victorian Grids are available only on the exterior of the windows. These grids will provide an authentic look, similar to that of a traditional or vintage window. External grids are available in White or colors to match products exterior.

SDL Victorian Grid  
*Optional (Exterior only)*



SDL Grid  
*Optional (Interior and Exterior)*

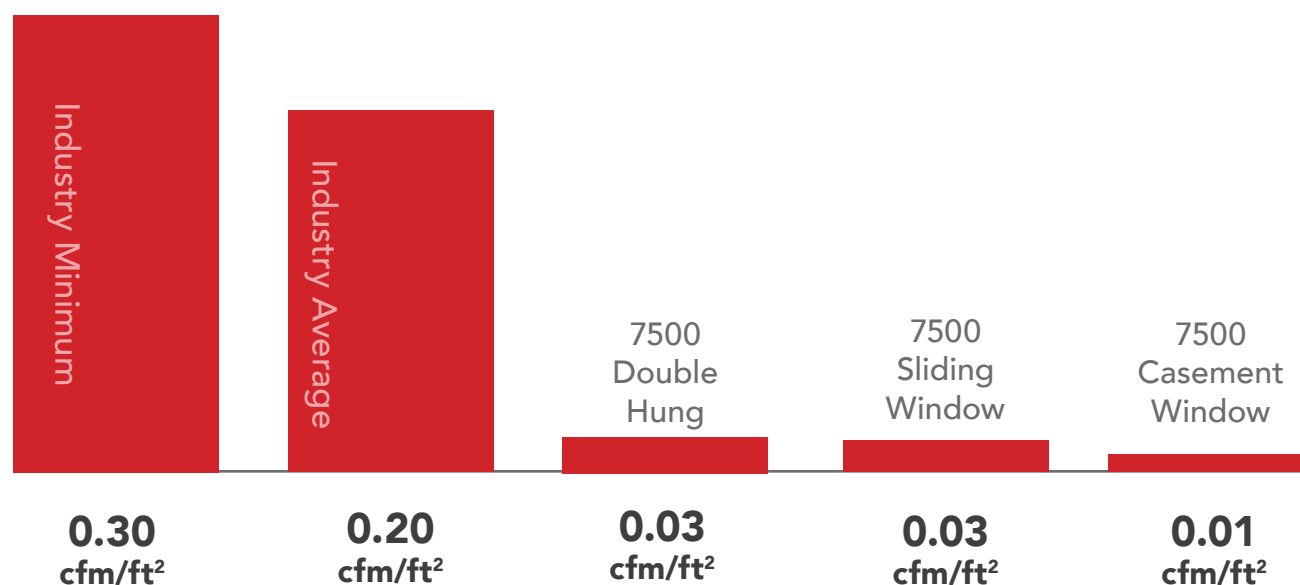




# Air Infiltration

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 & Method: Air Infiltration - ASTM E 283 75 PA - ( 1.6 psf ) 25 mph.*



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.

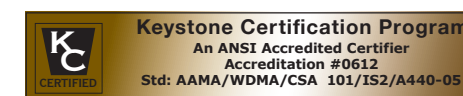
Also, there are two surprise manufacturing plant inspections every year that offer added quality assurance that translates to peace of mind.

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. Starmark Evo is using Keystone Labs for AMMA testing and ratings. For more information on our window testing, go to [www.keystonecerts.com](http://www.keystonecerts.com).

**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 smarter choice.**

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.

**Starmark Evo proudly displays ENERGY STAR Most Efficient on our products.**



All result numbers are based on tested window samples by NFRC 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.



## A Window Built For You

While designing this window, our engineers kept you, the customer, in mind. You have been asking for a window that offers more and we delivered. Starmark Evo gives you the beauty of a wood window, the energy efficiency of composite, and durability that is unmatched by any other material. Our material will not rot, does not need to be painted, and will not bend or warp. Starmark Evo windows are structurally sound, recyclable, and safe to manufacture. With our custom-to-size manufacturing, a wide range of paint and laminate options, and wood window-like profile, you will never be disappointed.

## Energy Efficient

Due to our high quality craftsmanship and attention to detail, our products have one of the best energy efficiency numbers available on the market. Starmark Evo offers you a product that has 0.3 or less in Air Leakage and as low as 0.13 U-Factor. All while giving you the maximum glass area of every window. With our air-tight seal, you will be able to enjoy the environment surrounding your home without having to pay for it in your heating and cooling bills.

## Beauty

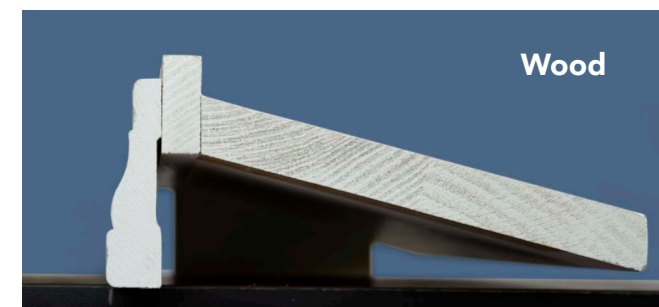
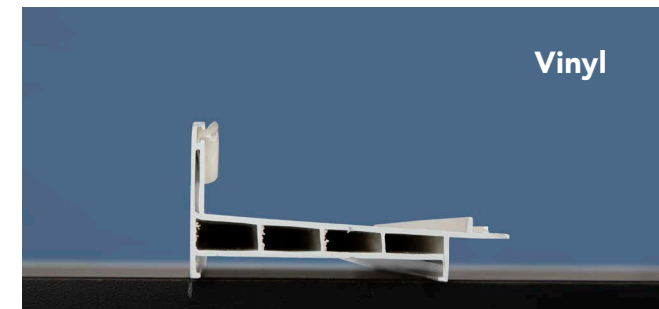
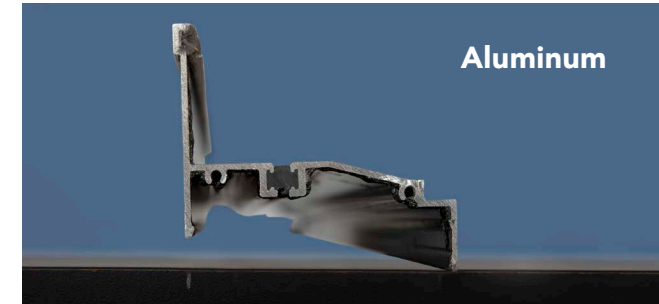
When you think of beauty in the home, you think of everything as a whole. One piece can throw off the aesthetics of the entire room. Windows are one of, if not the major focal point of any home. Starmark Evo windows give you a wide range of options to customize your window to match the beauty of your home. From the size of your window, to the interior and exterior color, all the way down to the smallest detail of hardware, you can customize our product to be the perfect fit every time. Not only will you have a beautiful interior, but you are also increasing the curb appeal and value of your home. Starmark Evo windows will be the star of any decor choice.



# Dare To Compare

After presenting our superior window to you, we created this table to show the differences between the various types of windows. We also provided you with photographs of window sills to give you a better understanding of how the material used to build the window determines it's construction, and in consequence product quality.

	Starmark Evo (7500)	Average Vinyl	Average Wood	Average Aluminum	Average Fiberglass
Never Rots (Lifetime)	✓	X		X	X
Will Not Split or Crack	✓			X	X
Mold, Termite, and Insect Resistant	✓	X		X	X
Solid Material (Not Hollow)	✓		X		
Weather, Salt Water/Air Resistant	✓	X			X
No Rusting or Pitting	✓	X	X		X
Low Maintenance (Just Clean Only)	✓	X			X
Less than 0.1 Air Leakage	✓				
Paintable	✓	X	X	X	X
Does Not Need Painting	✓	X			
Wood Window-Like Profile	✓		X		
Does Not Absorb Water	✓	X		X	X
Structural Rigidity	✓		X	X	X
Durable	✓	X	X	X	X
Recyclable and Safe to Manufacture	✓	X		X	
Maximum Glass Area	✓	Varies	Varies	Varies	Varies
No Mechanical or Glued Joints	✓	X			





Double Hung (DH 7500) Thermal Performance	U-Value	SHGC	VT	CR
<b>HeatSeal Glass Package</b>				
<i>Deluxe Package - Double Pane, Argon Gas</i>	0.25	0.29	0.53	62
<b>SunSeal Glass Package</b>				
<i>Deluxe Package - Double Pane, Argon Gas</i>	0.25	0.21	0.42	62
<b>HeatSeal Super Glass Package</b>				
<i>XR11 Deluxe Package - Triple Pane, Argon Gas</i>	0.17	0.25	0.41	75
<i>XR12 Deluxe Package - Triple Pane, Krypton Gas</i>	0.14	0.25	0.41	78
<i>XR17 Deluxe Package - Triple Pane, Krypton/Argon Gas</i>	0.15	0.25	0.41	77
<i>XR172 Deluxe Package - Triple Pane, Krypton/Argon Gas</i>	0.16	0.25	0.41	76

Sliding Window (SL 7520) Thermal Performance	U-Value	SHGC	VT	CR
<b>HeatSeal Glass Package</b>				
<i>Deluxe Package - Double Pane, Argon Gas</i>	0.26	0.29	0.52	63
<b>SunSeal Glass Package</b>				
<i>Deluxe Package - Double Pane, Argon Gas</i>	0.25	0.21	0.41	63
<b>HeatSeal Super Glass Package</b>				
<i>XR11 Deluxe Package - Triple Pane, Argon Gas</i>	0.17	0.25	0.41	76
<i>XR12 Deluxe Package - Triple Pane, Krypton Gas</i>	0.15	0.25	0.41	79
<i>XR17 Deluxe Package - Triple Pane, Krypton/Argon Gas</i>	0.15	0.25	0.41	78
<i>XR172 Deluxe Package - Triple Pane, Krypton/Argon Gas</i>	0.17	0.25	0.41	77

Casement (CA 7560) Thermal Performance	U-Value	SHGC	VT	CR
<b>HeatSeal Glass Package</b>				
<i>Deluxe Package - Double Pane, Argon Gas</i>	0.23	0.28	0.50	63
<b>SunSeal Glass Package</b>				
<i>Deluxe Package - Double Pane, Argon Gas</i>	0.23	0.20	0.40	63
<b>HeatSeal Super Glass Package</b>				
<i>XR11 Deluxe Package - Triple Pane, Argon Gas</i>	0.16	0.24	0.39	76
<i>XR12 Deluxe Package - Triple Pane, Krypton Gas</i>	0.13	0.24	0.39	79
<i>XR17 Deluxe Package - Triple Pane, Krypton/Argon Gas</i>	0.14	0.24	0.39	78
<i>XR172 Deluxe Package - Triple Pane, Krypton/Argon Gas</i>	0.15	0.24	0.39	77

\*\*Numbers are based off of windows tested without grids.

Double Hung (DH 7500) Structural Performance			
Numbers based off of tested window size: 44" x 63"	<b>Industry Minimum</b>	<b>Double Glazed</b>	<b>Triple Glazed</b>
<b>AAMA Rating</b> performance grade	R15	R55	R55
<b>Structural Integrity Design Pressure (DP)</b> Wind load the window can withstand before breaking	DP 15 (94 mph)	DP 70	DP 75
<b>Air Infiltration (cfm/ft²)</b> at speed of 25mph	0.30	0.03	0.03
<b>Water Penetration (mph)</b> 8" per hour	33	56	56

Sliding Window (SL 7520) Structural Performance			
Numbers based off of tested window size: 63" x 44"	<b>Industry Minimum</b>	<b>Double Glazed</b>	<b>Triple Glazed</b>
<b>AAMA Rating</b> performance grade	R15	R60	R60
<b>Structural Integrity Design Pressure (DP)</b> Wind load the window can withstand before breaking	DP 15 (94 mph)	DP 70	DP 80
<b>Air Infiltration (cfm/ft²)</b> at speed of 25mph	0.30	0.03	0.03
<b>Water Penetration (mph)</b> 8" per hour	33	59	59

Casement (CA 7560) Structural Performance			
Numbers based off of tested window size: 36" x 64"	<b>Industry Minimum</b>	<b>Double Glazed</b>	<b>Triple Glazed</b>
<b>AAMA Rating</b> performance grade	R15	R80	R80
<b>Structural Integrity Design Pressure (DP)</b> Wind load the window can withstand before breaking	DP 15 (94 mph)	DP 80	DP 80
<b>Air Infiltration (cfm/ft²)</b> at speed of 25mph	0.30	0.01	0.01
<b>Water Penetration (mph)</b> 8" per hour	33	69	69

\*\*Numbers are subject to change depending on size of window.

