



New Construction Windows & Doors



2023

Impress the Weather

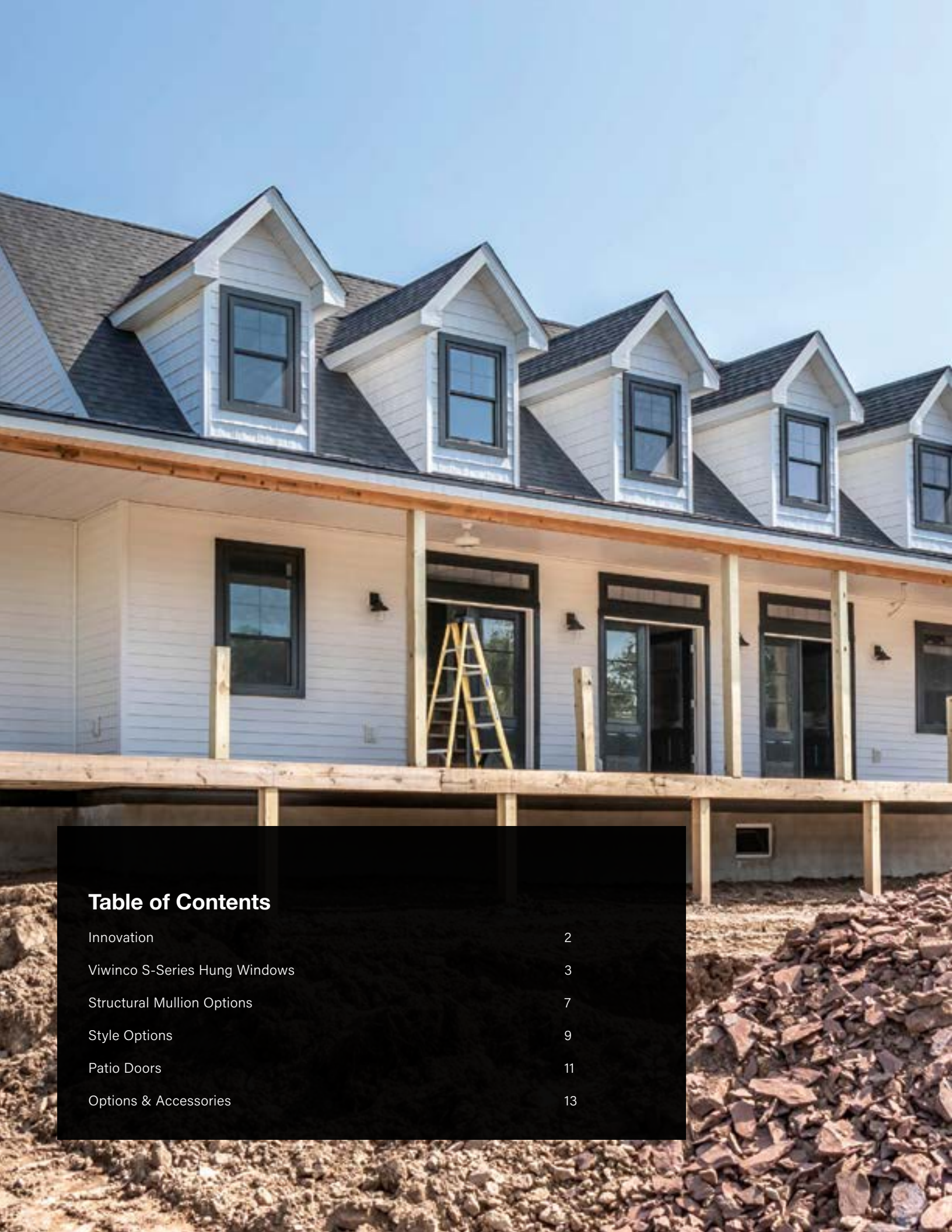


Table of Contents

Innovation	2
Viwinco S-Series Hung Windows	3
Structural Mullion Options	7
Style Options	9
Patio Doors	11
Options & Accessories	13



Innovation

We continually look to enhance and develop products that meet the changing needs of homeowners. **Our Research & Development and Training Center** features a dedicated team of engineers and is home to our certified test wall and onsite lab. The R&D facility has enabled us to develop the next generation of windows.

In 2021 we began construction on our state-of-the-art glass facility. This building contains industry leading automated machinery, robotics, and revolutionary technology that will reshape the way we manufacture windows. The new glass facility blends quality, speed, and streamlined processes that are necessary to be a leading window manufacturer.

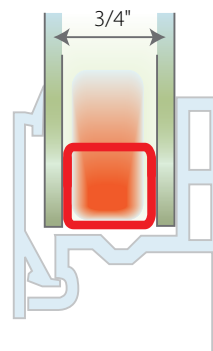
Viwinco S-Series is our premier new construction product line. Providing industry leading performance and seemingly limitless customization, S-Series products are a top choice for new construction projects. Our window frame profiles contain more than five pounds of PVC on average than those manufactured by most of our competitors, resulting in increased structural integrity, energy efficiency, and durability. The vast majority of S-Series windows have received commercial and residential ratings. Our profile's resilience is bolstered by SunShield® technology, a premium, high-performance vinyl compound that contributes to industry-leading weather resistance, impact resistance, and color retention. In addition to a 41% increase in dimensional stability over the standard. What's more, PVC is inherently good for the environment; not only is it long-lasting, it's 100% recyclable!

A Higher Standard.

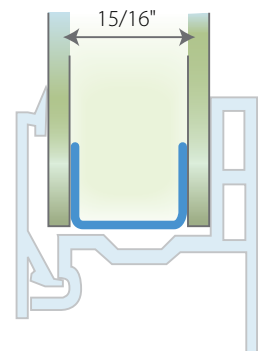
Viwinco Windows has been committed to improving energy efficiency, creating a cleaner environment, and providing year-round home comfort. Since we began manufacturing our standard high-performance glass package, we use this package in every window we produce.

- Double-strength Low-E glass
- 15/16" Double-strength glass
- Argon fill
- Low-conductance thermal spacer

Typical Window
3/4" single-strength,
insulated glass unit



Viwinco S-Series™
15/16" double-strength,
insulated glass unit
with argon gas



Traditional and stylish, our single- and double-hung windows are available in our premier S-Series line.

On **SINGLE-HUNG WINDOWS**, the bottom sash is operable and the top sash is fixed. Just raise the bottom sash for the ventilation you desire. On **DOUBLE-HUNG WINDOWS**, both sashes are operable: the bottom sash lifts up and the top pulls down for maximum ventilation. Both single- and double-hung windows are economical, easily serviceable, and allow for easy access to receive deliveries of drywall materials during construction. They also provide exceptional energy efficiency.

S-Series single- and double-hung styles share the following features:

- A fully fusion-welded frame and sash for strength, durability, and low-maintenance
- 15/16" Double-strength insulated glass unit with Low-E, thermally efficient spacer, and argon gas fill for enhanced performance
- **Tilt-n-Lock** patented technology
- A constant-force balance system made of 3/4" stainless steel for ease in opening and closing the window
- A sash interlock for added thermal efficiency and security
- Sill weatherstripping 1-3/8" high to fight drafts and water infiltration
- Equally-sized glass in both sashes for even sight lines
- Dual nite-vents

Tilt-n-Lock HARDWARE

Our Viwinco patented **Tilt-n-Lock** technology provides an unobtrusive solution to window operation, standard on S-Series new construction hung windows. While housing the locking components in the meeting rail of the sash, the **Tilt-n-Lock** does away with traditional tilt latches in favor of single-handed operation

through the use of the locking mechanism. The three locking positions are used to indicate the status of the window. At the 0-degree position, the sash is securely locked, and the tilt latches are tightly secured into the jambs. At 150-degrees, the tilt latches are still engaged in the jambs, but the sashes are unlocked allowing the sash to be lifted. At 180-degrees the hidden tilt latches are disengaged from the jambs, allowing tilt-in window operation for easy maintenance.

Viwinco Exclusive Technology

- One-handed operation
- Clean sight lines
- Easier cleaning



Locked Position
Sash is securely locked. Hidden tilt latches are housed in sash channel for added strength.



Unlocked Position
At the 150-degree position, the hidden tilt latches are engaged with the jamb, and the sash can be lifted.



Tilt-In Position
When the lever is moved to 180-degrees, the hidden tilt latches clear the jamb channel, allowing the user to easily tilt the sash inward.

Standard on S-Series single- and double-hung windows





Viwinco S-Series™ Hung Windows

Single- and double-hung units come standard with:

- **Tilt-n-Lock** hardware
- 15/16" Double-strength high performance glass package
- Integral J-Channel
- 3/4" Stainless steel constant force balance system

1. 1-1/4" Integral, pre-punched nailing fin contributes to trouble-free installation
2. Chambered vinyl profiles add thermal efficiency and structural strength
3. Beveled exterior for traditional craftsmanship look
4. Equally sized glass in both sashes for balanced design
5. S-Series single- and double-hung windows come standard with our patented **Tilt-n-Lock** hardware, which provides strength along the interlock. The reinforcement becomes the housing for the hardware which allows you to use the lock to tilt the sash in with just one hand. Tilt latches are not visible
6. Sash interlock for added security and thermal efficiency
7. 15/16" Double-strength insulated glass units with Low-E, thermally efficient spacer, and argon gas fill for excellent insulating value
8. 5-Degree true sloped sill directs water and debris away from the home
9. Screen track secures screen to better block insects
10. Integral J-channel saves time on exterior finishing
11. Fully fusion-welded vinyl frame and sashes for strength, durability and low-maintenance
12. Dual nite vents limit sash travel for ventilation
13. Locking pivot bar secures sash to frame and stabilizes window for shipping
14. Stainless steel, 3/4" constant-force balance eliminates sash drift and never needs adjustment
15. Integral designer lift rails make sash operation easy and comfortable
16. Fully welded sill dam with a mortised-in, replaceable weatherstripped leg increases strength and performance, while providing a clean, aesthetically appealing look
17. Snap-in accessory expands J-channel to 1-1/4" to receive greater range of cladding thicknesses



Our S-Series single-hung window is engineered with two sashes for equal sight lines. It matches the look of our double-hung, but only the lower sash is operable.



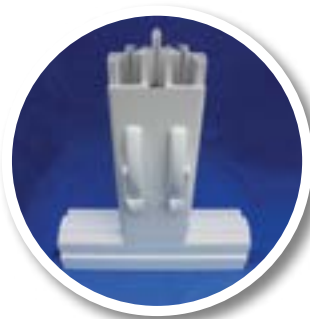
Enjoy the breathtaking atmosphere when you **create a design** of your own.

S-Series windows are available in many styles in addition to our traditional single- and double-hung.

Our structural mullions provide increased integrity between horizontally and/or vertically adjacent mounted windows—even at large sizes—allowing limitless possibilities when combining windows. See below for possible combinations, or visit our website gallery to see projects where mullions were used.

Structural Mullions

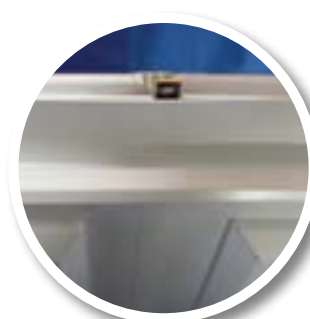
Structural mullions attach directly to the rough opening, delivering great strength and stability to the finished installation. An interglar mull is available for casement, picture and awning windows.



Integral Mullion
(continuous head and sill)
for mulling casement, picture,
and awning windows.

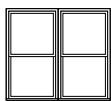


Structural Mullion
used to mull two or
more units together.
Interior view.

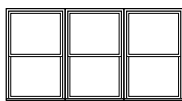


**Drip Cap
with Bracket**
to attach mullion
to rough opening.

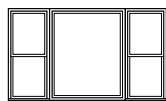
Common Mullered Configurations



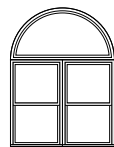
**Twin Single- or
Double-Hung**



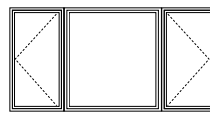
**Triple Single- or
Double-Hung**



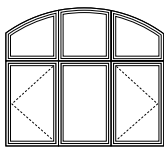
**Double-Hung/Picture/
Double-Hung or
Single-Hung/Picture/
Single-Hung**



**Half-Round over
Twin Single- or
Double-Hung**



**Casement/Picture/
Casement**



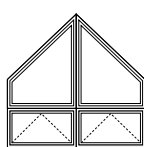
**Extended Arch
flanked by Arch Trapezoids
over Triple Picture or
Casement Window**



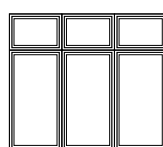
**Quarter-Round
over Picture
or Casement
Window**



**Transom over
Single- or
Double-Hung**



**Trapezoids over
Twin Picture or
Awning Window**



**Triple Transom over
Triple Picture
Window**





Picture & Geometric Windows

Since picture windows are fixed units they provide some of the best thermal performance while offering the most viewing area. Our geometric department can create picture windows in many different shapes allowing pictures and geo's to be a popular choice for any build.

Style Options



Half-Round over
Double-Hung/
Picture/Double-Hung



Picture/Picture/
Picture



Double-Hung/Picture/
Double-Hung



Circle



Elliptical



Half-Round



Extended-Arch

For additional shapes and grid options, visit our website.

Note: When geometric and picture windows are mulled together, sightlines will not be even.



Sliding Windows

Sliding windows (sliders) are designed with space in mind. They're particularly convenient for window spaces that are wider than they are tall. Easy to operate, sliders also offer trouble-free maintenance: just lift out the sash, spray, and wipe.

- Positive latching with adjustable keeper and cam-style lock
- Interlock on sashes for energy efficiency and durability

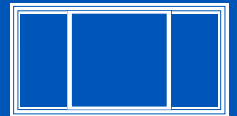
Style Options



2-Lite
(1/2-1/2)



3-Lite
(1/3-1/3-1/3)



3-Lite
(1/4-1/2-1/4)

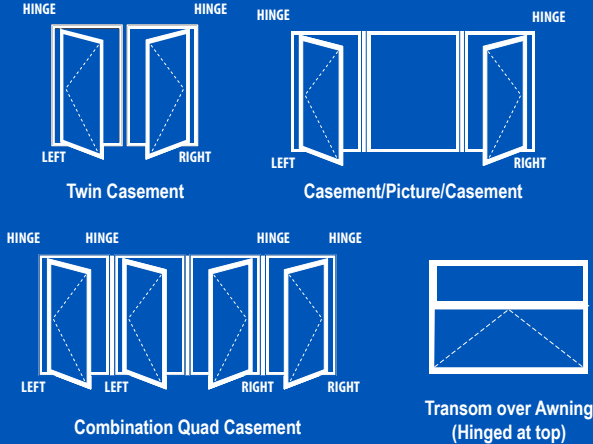


Casement and Awning Windows

Our **Casement windows** provide beautiful views and smooth operation. Casements are hinged at the left or the right, and they swing open to the outside with a turn of the handle. **Awning windows** are similar in design and functionality to casements but are hinged at the top and open outward. Multiple casements or awnings may be combined to create a window wall. We also offer a Colonial Casement (inset image). It's designed to look like a double-hung window with the egress features of a casement window.

Possible Combinations

Handing is viewed from the outside

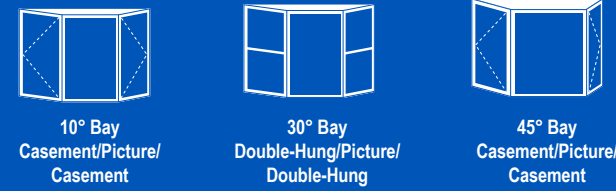


Bay and Bow Windows

These windows project outward from the building envelope and provide a full 180-degree view of the outside. These seated windows create a sense of space and openness to any room making it seem larger and more inviting. Bay windows can protrude from the house at either 10-30-45 degrees while bow windows are always angled at 10-degrees.

Possible Combinations

Bay Windows



10° Bow Windows



Patio doors add lots of **functionality** to the home. In addition to blending indoor and outdoor lifestyles, they often become a **focal point** of a room.

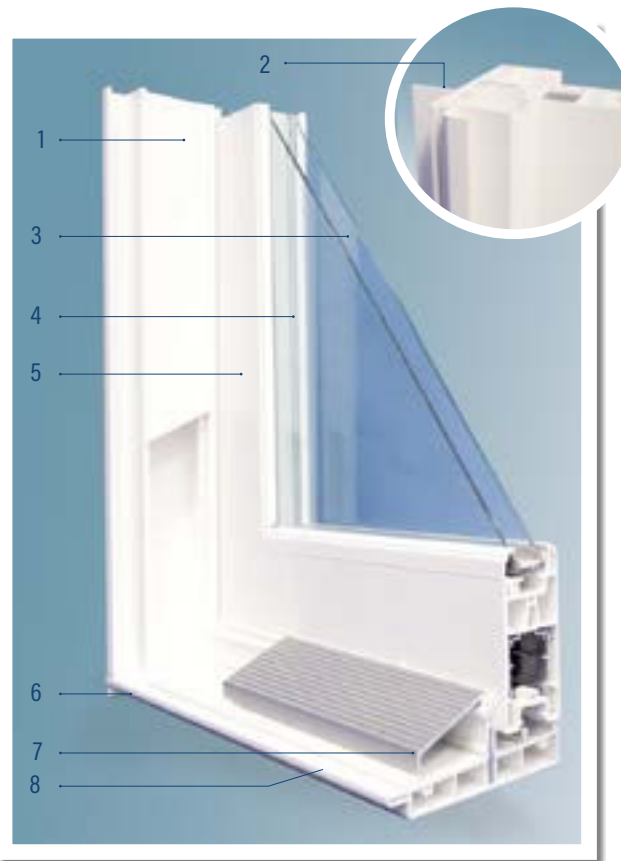
Our patio doors are designed for easy access, enhanced thermal efficiency, reliable operation, and everyday elegance.

Patio Door Customization

- 2-Lite, 3-lite, and 4-lite patio doors come standard with a vinyl sill
- Grid patterns include colonial and prairie, in flat or deluxe styles. SDLs also available
- Knock-down assembly option available for all sizes for 2-lite, 3-lite, and 4-lite patio doors
- Blinds between glass available on select sizes, visit our website for more details

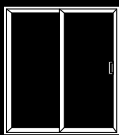
Patio Door Features

1. Head and jamb track covers for a finished appearance
2. Snap-in J-channel accessory is available to allow for a 3/4" or a 1-1/4" J-channel pocket for siding with a brick mold look on the exterior
3. 1" Tempered, double-strength insulated glass unit with Low-E, thermally efficient spacer, and argon gas fill for strength and thermal efficiency
4. Extruded glazing bead is mitered in the corners for a hand-crafted look
5. Precision-cut and fusion-welded frame creates a powerfully-built sliding patio door. 4" Stiles and a slim frame maximize the viewing area
6. Independent screen track keeps heavy-duty "Moose" screen in place during travel
7. Threshold cover keeps out dirt, grass and leaves
8. Weep hole system is located beneath the screen track

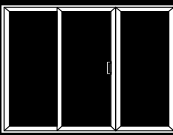




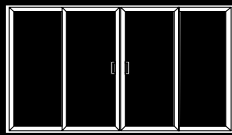
Style Options



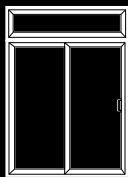
2-Lite



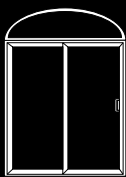
3-Lite



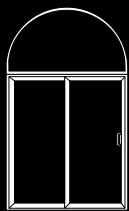
4-Lite



2-Lite
w/Transom



2-Lite
w/Elliptical



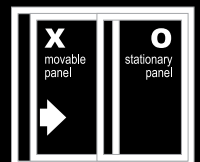
2-Lite
w/Half-Round

NEW Door Handle Options

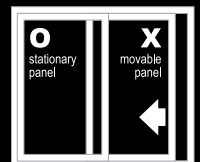


Our new patio door handles will be used to replace our existing "D-Handle". These patio door handles feature a more-modern look, a two-point locking system and are comprised of heavy-duty components to ensure positive locking. The robust squared handle enhances the overall finish of the door with its sleek lines and ergonomic design. These handles contain the same punch settings as the D-Handle and can easily replace the existing handle if needed. The new locks may be either keyed or non-keyed.

Patio Door Handing Options



Left-Hand Operation
Viewed from outside



Right-Hand Operation
Viewed from outside

Windows and doors are one of the most eye-catching aspects of a home, and adding color is one of the easiest ways to add personality. Vivinco's exterior laminates do more than bring character to your home. They are the most robust and enduring you can find. Engineered to outperform some of the harshest conditions, our exterior laminates are proven to withstand the test of time while maintaining the bold colors you want. **Did we mention our laminates also provide exceptional thermal performance?** Our premium laminates are comprised of multiple thin layers that result in a finish that is highly resistant to harmful ultraviolet light and salty air (ideal for coastal applications). Durable, efficient, and bold, our exterior colored laminates are the perfect solution to adding personalization to any project.



VIWINCO COLORS

Available with white interior only

Offered on all S-Series windows and patio doors.



Bronze



Midnight Black

- ▶ Triple-layer construction for exceptional durability
- ▶ More robust than paint: won't chip, crack, or fade
- ▶ Heat-reflective technology
- ▶ Impervious to the damaging effects of moisture and salt; ideal for coastal regions

Traditional Solid Extrusions

S-Series windows and patio doors are available in all our solid extrusions. Color on both interior and exterior.



White



Tan



Clay

Simulated Divided Lites

Achieve the classic look of authentic divided lites while enhancing your window's energy efficiency.

- ▶ Great for historic restorations
- ▶ SDLs permanently adhere to the inside and outside surfaces of the glass
- ▶ SDLs are offered in all of our solid extrusions and exterior colors



Grids

Grids add definition to your window and character to your home. Sealed between the glass for easy cleaning, they are available in two styles—flat internal or deluxe internal.

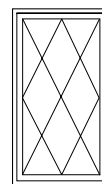
Windows with an exterior laminate are available with color-matched deluxe grids.



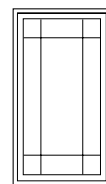
Deluxe top,
Standard bottom

Patterns

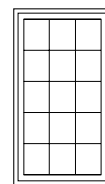
Colonial, Prairie, Double Prairie, Diamond (flat internal only), Queen Anne, Valance, or specialty designs.



Diamond



Prairie



Colonial

Exterior Trim and Brick Molding

Accentuate your style and significantly reduce window installation and finishing time with our maintenance-free, highly durable PVC trim options.

Available in any of our colors, our 3-1/2" flat casing and 2-1/4" brick molding are fully welded, factory applied, and come with an extruded J-channel pocket. For installations where a J-channel pocket is not required, pocket filler is available. Both exterior trim options are offered with either a picture-frame or bullnose sill.



3-1/2" Flat casing picture frame in tan



2-1/4" Brick Mold with Bullnose Sill

Specialty Glass

Glazing options include gray tint or obscure glass. Tempered glass (not shown) is available for extra safety and is commonly used in high-traffic areas.

Gray can be chosen to reduce solar heat gain and glare or obscure glass to increase privacy.



Gray-tinted



Obscure glass

Window Operating Control Device Locks

We offer window operating control devices (WOCD) when required by code on our hung and casement products.



WOCDs for single- and double-hung windows



WOCDs for casement windows

Screens

S-Series **double-hung** windows come standard with an extruded full-screen and our **single-hung** windows come standard with an extruded half-screen. For more screen options visit our website.



Extruded full-screen with reinforced corners.



Designed to make installation a breeze.

ACCESSORIES

Snap-in Accessories

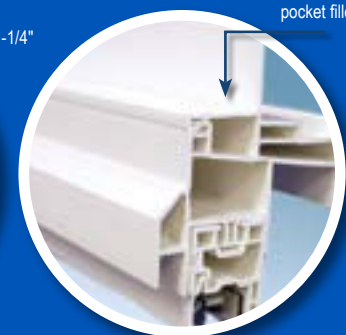
- Snap-in brick molding on patio doors can provide a 3/4" or 1-1/4" J-channel
- Similar snap-in brick mold available on windows for a 1-1/4" J-channel for exterior finishes such as insulated siding
- J-channel pocket filler available on windows for use in fiber cement or masonry applications

Extension Jamb

- Factory applied
- Color-matched to your window
- Available sizes: 4-5/8" and 6-5/8". We can also accommodate requests for jambs to be made on sizes smaller than 6-5/8"



1-1/4"



J-channel pocket filler



Jamb Extensions

One customer at a time. From idea to installation, we never lose sight of **you.**

As a proud family-owned and operated business for over forty years, we know that turning dreams into reality demands a steady commitment to a personal vision. When we ventured into the window business, we set out to build a window that would stand for quality in every way. We've never wavered from that ideal. That's why we craft each one of our products from premium materials to your exact specifications. It's also why we use the most technologically advanced equipment available to make thermally efficient, exceptionally durable products. And it's why every employee, from our engineers to our customer service representatives, and sales force, takes your satisfaction to heart. You can count on us to help with your order before, during and after installation.

We go the extra mile to ensure that our windows arrive at your distributor on time, on spec, and in great condition. Since our products are made almost entirely in our manufacturing facility—we even temper and laminate our glass—we control the source. Our in-house production system enables us to custom-make every order to the highest standards while maintaining one of the fastest turnaround times in the industry.

Viwinco is proud to be located in a region renowned for quality craftsmanship. Our technology is cutting edge, but our values are basic: we listen to you, our customers, to identify new and better ways to serve you.



851 Hemlock Road
Morgantown, PA 19543
610-286-8884 | www.Viwinco.com

NC100 Updated © 1/2023 Viwinco Inc.