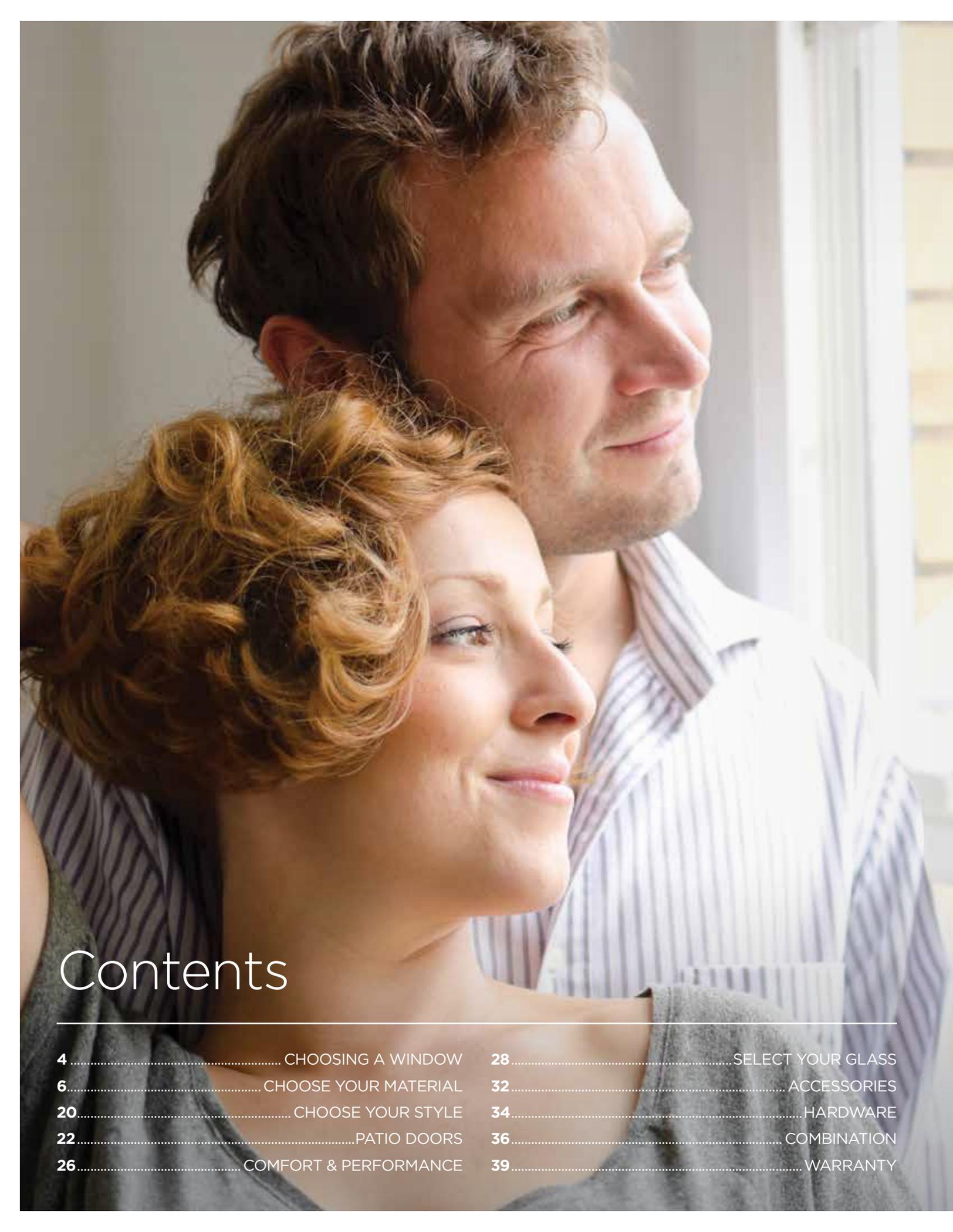


# Patio Doors

inspired by you.





# Contents

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4	..... CHOOSING A WINDOW	28	..... SELECT YOUR GLASS
6	..... CHOOSE YOUR MATERIAL	32	..... ACCESSORIES
20	..... CHOOSE YOUR STYLE	34	..... HARDWARE
22	..... PATIO DOORS	36	..... COMBINATION
26	..... COMFORT & PERFORMANCE	39	..... WARRANTY



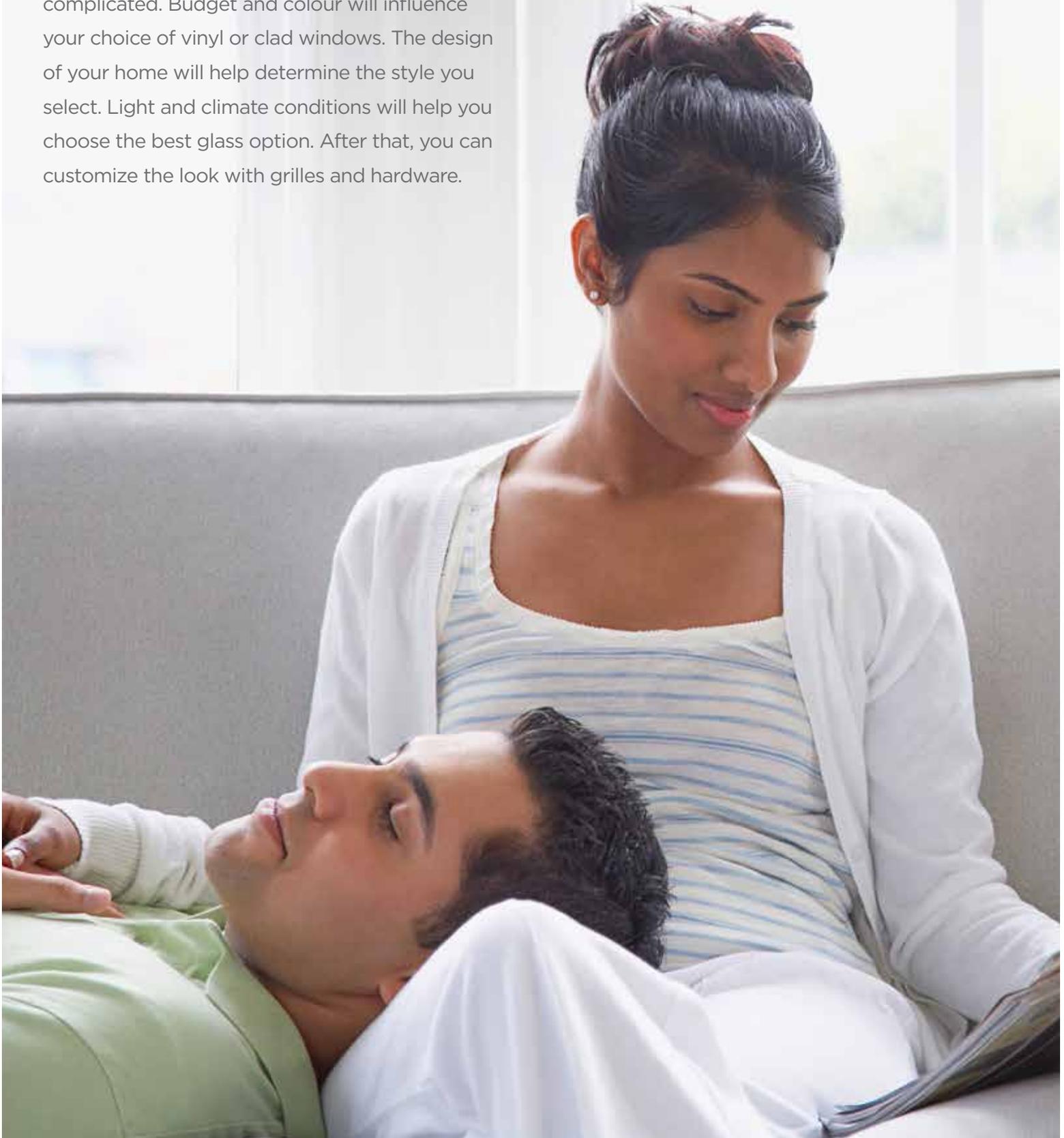
A pair of tall windows topped with smaller transoms frames the horizon and brightens the room.

## Which window is right for you?

That depends on the style of your home, the size of your budget and your own preferences. With Ply Gem, you can choose from a wide range of styles to meet your needs. To help stretch your budget while maintaining a consistent look, consider upgrading the windows in the front and choose less costly windows in the back that are identical on the interior. If you're looking for more colourful options, our aluminum-clad windows offer a full spectrum of choices. Whatever inspires you, look to Ply Gem for solutions custom made for you.

# 4 steps to your new windows.

Choosing new windows doesn't have to be complicated. Budget and colour will influence your choice of vinyl or clad windows. The design of your home will help determine the style you select. Light and climate conditions will help you choose the best glass option. After that, you can customize the look with grilles and hardware.



# 1

## Choose **frame material**.

- ▶ **Vinyl** – Our vinyl windows offer great value, energy efficiency and a lifetime of low-maintenance beauty.
- ▶ **Clad Vinyl** – Our Design Series offers the beauty of aluminum on the outside with the energy efficiency and low maintenance of vinyl on the inside.
- ▶ **Clad Wood** – Signature Series windows offer the natural beauty of wood on the inside and colourful, durable aluminum cladding on the outside.

# 2

## Select **your style**.

Choose from six different styles: single hung, sliding, casement, awning, fixed and picture windows. Combinations with or without architectural shapes are also available. For an explanation of window styles, **see page 20**.

# 3

## Get the **right glass for you**.

We offer several glass options to meet specific climate conditions. Choices include double- or triple-glazing tailored to your needs with LoE coatings and argon gas fill. In addition, we offer glass options for safety, privacy and sound control. **See page 28 for details.**

# 4

## Add the **finishing touches**.

Grilles can turn a plain window into a stylish statement. Hardware finishes and trim options also play a part in your window's aesthetics. **Explore your options on page 32.**

# Step 1

## Choose **frame material.**

As one of Canada's top window manufacturers, we build quality into every product we make. Our vinyl windows feature sturdy, multi-chambered frames and sashes with welded corners. They never need painting or staining and are available in white or beige. For more exterior colour options, we also offer aluminum-clad vinyl windows.

If you prefer a wood interior, our clad wood windows can be painted or stained to coordinate with your interior décor. They're protected from the weather by a durable exterior aluminum cladding.





## Vista Series Vinyl Windows

- Contemporary design matches the architectural style of today's homes
- Dual-glazed insulated glass
- Slim-line sash design for maximum viewing area
- Common frame construction with continuous head and sill for a clean appearance

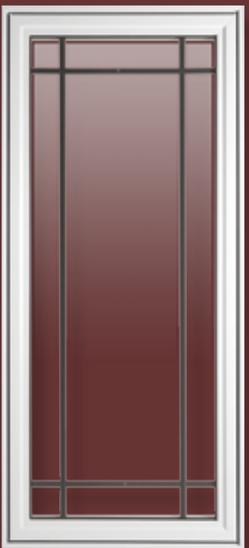
See page 8



## Comfort Series Vinyl Windows

- Modern design with high-performance
- Triple-glazed insulated glass for energy efficiency
- Oversized frame designed with a full-sized sash
- Pairs well with Vista Series for contemporary homes
- Common frame construction with continuous head and sill for a clean appearance

See page 10



## Classic Series Vinyl Windows

- Architecturally driven full frame design for traditionally styled homes
- Dual-glazed insulated glass
- Slider windows feature equal sightlines
- Pair with Enviro or Design Series for triple-glazed insulated glass and colour options

See page 12



## Enviro Series Vinyl Windows

- Top-of-the-line vinyl option, perfect choice for harsh climates
- Triple-glazed insulated glass for energy efficiency
- Wide frame and equal sightlines
- Pairs well with Classic or Design Series windows

See page 14



## Design Series Clad Vinyl Windows

- Durable, colourful Aluminum exterior
- Low-maintenance Vinyl interior
- Available with Double or Triple-glazed insulated glass options
- Wide frame works seamlessly with Classic Series or Enviro Series

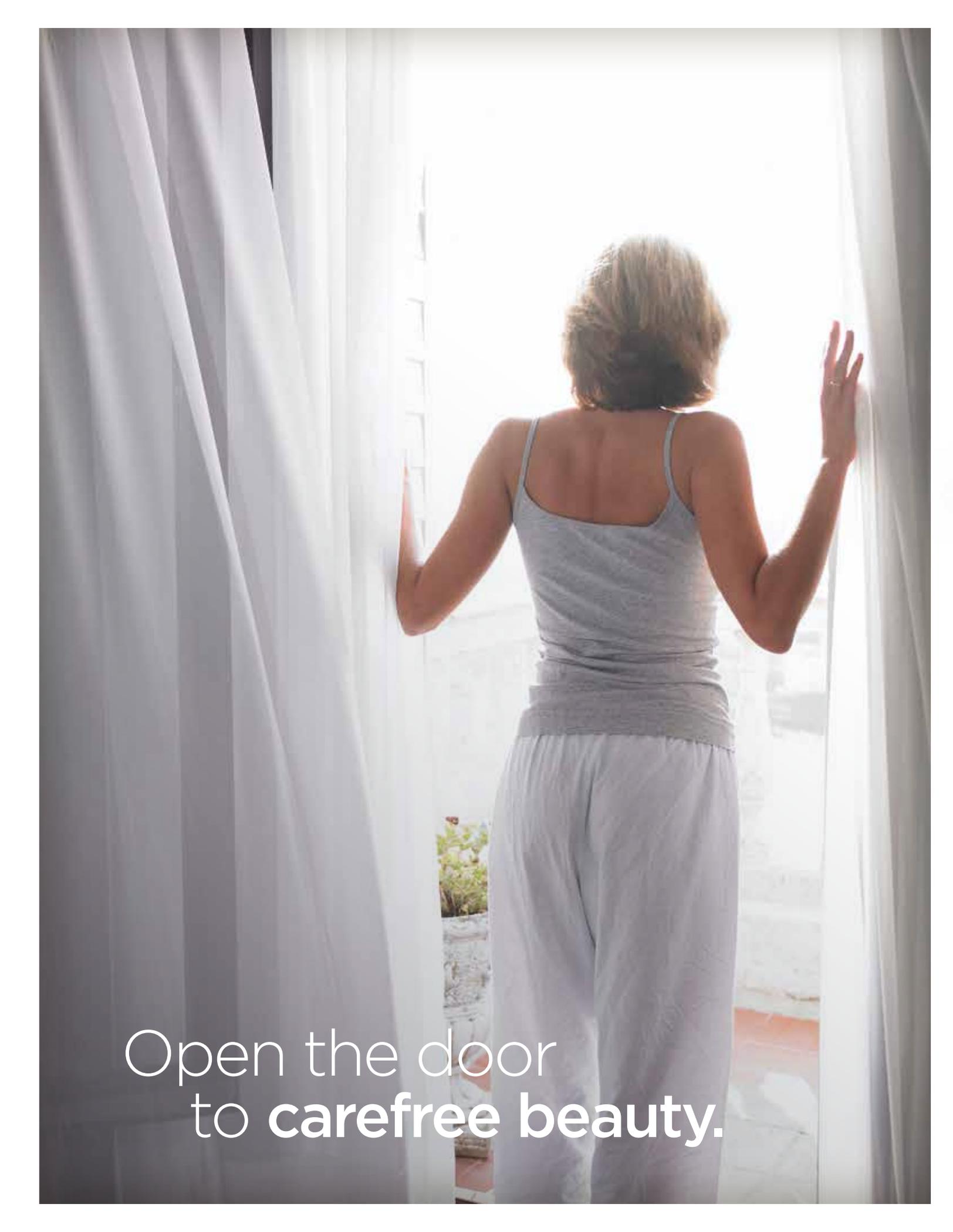
See page 16



## Signature Series Clad Wood Windows

- Premium architectural design solution
- Durable, colourful Aluminum exterior
- Beautiful hem-fir Wood interior
- Available with Double or Triple-glazed insulated glass options

See page 18



Open the door  
to **carefree beauty.**

# Garden Doors

---

Let in a breeze to cool off or to air out your house with the fresh scent of the outdoors. Being half of each, the Garden Door gives you the option of full length window ventilation with the look of a door.

# Leave the door open and your cares behind.

Our hinged garden doors offer a stylish alternative to sliding doors. In-swing or out-swing doors can be configured on the left or right. Out-swing doors are ideal where space is tight.





## Fiber Stain Garden Door

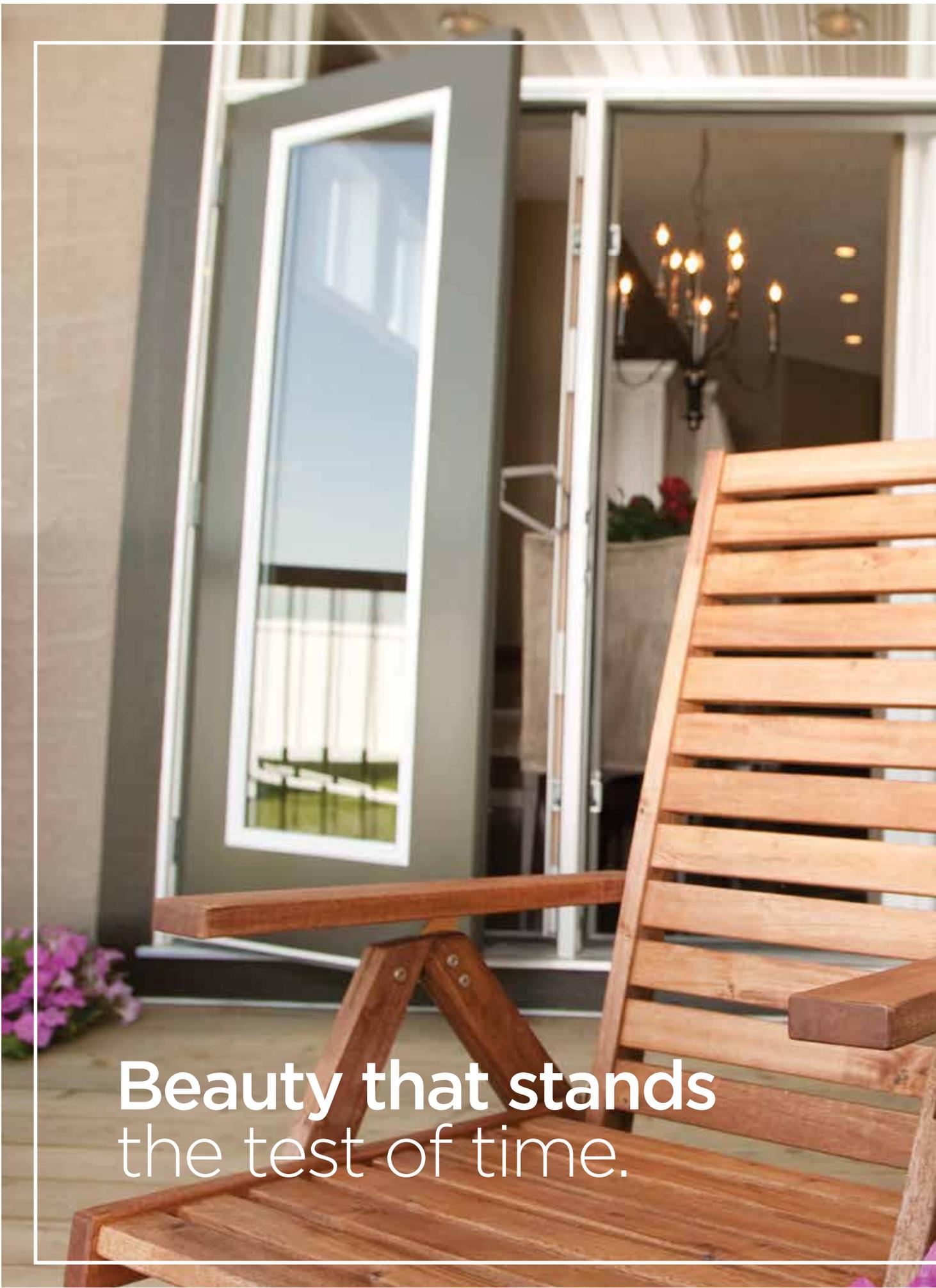
These elegant doors look and feel like real wood. But they won't rot or warp like wood and require less maintenance. They coordinate beautifully with our Fiber Stain entry doors.

## Fiber Tuff Garden Door

These hinged fiberglass doors offer elegant passage to the outdoors. Like our Fiber Tuff entry doors, they won't rot or dent and hold paint better than wood.

## Steel Garden Door

Our steel panel garden door offers great value, looks and performance. Inside, a polyurethane foam core provides high insulation values. Outside, a thick steel skin ensures years of low maintenance beauty.



**Beauty that stands  
the test of time.**



# STYLES

Out-swing configurations feature a venting panel; in-swing configurations have a sliding screen.

Out-swing



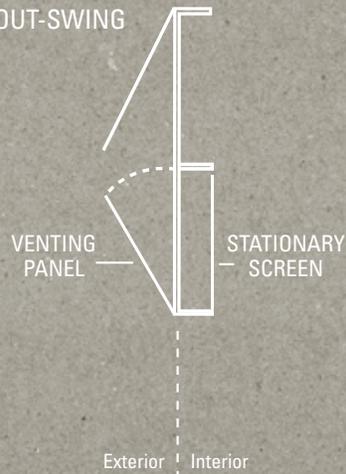
In-swing



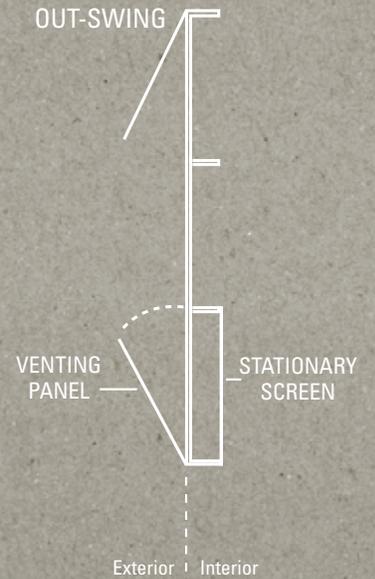
## TWO PANEL

## THREE PANEL

OUT-SWING



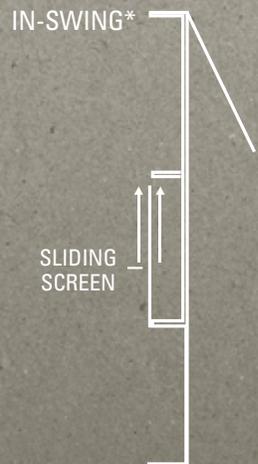
OUT-SWING



IN-SWING\*



IN-SWING\*



\*In-swing garden doors are also available with a centre-hinged option.

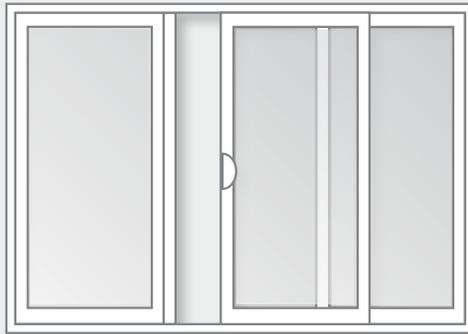
# A Door that fits your life.

## Sliding Patio Doors

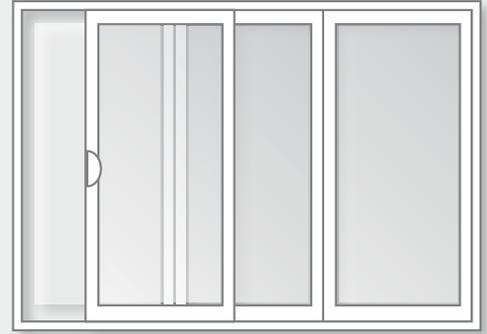
Sliding patio doors are a good choice where floor space is limited. They provide light, expansive views and an easy transition between indoors and out.



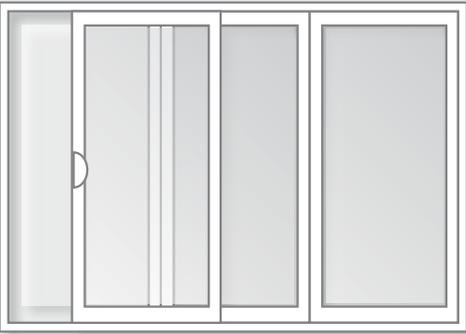
**2 Panel** - Either panel can be active.



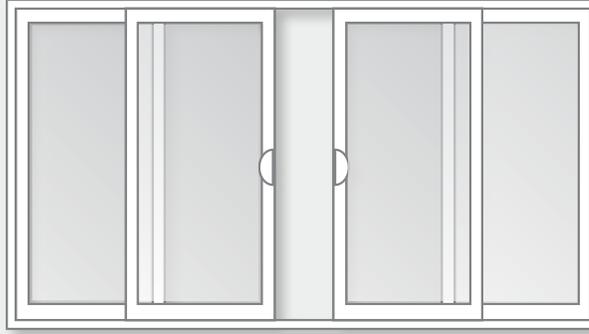
**3 Panel Vinyl** - Middle panel active for vinyl series.



**3 Panel Vinyl** - Active outside panel (left or right)  
\*Vista Series Vinyl Patio Door only



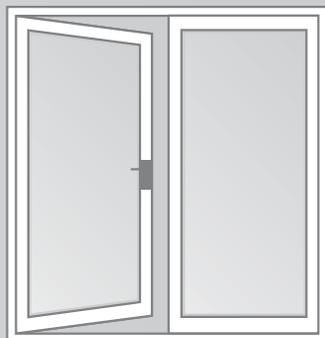
**3 Panel Clad** - Active outside panel (left or right)



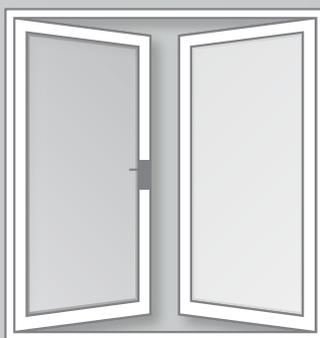
**4 Panel** - Both center panels are active.

## Hinged Patio Doors

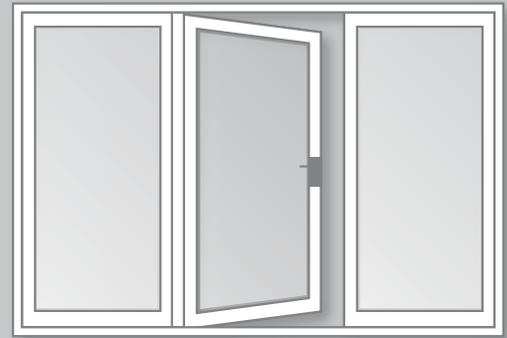
Hinged patio doors are either outswing or inswing and create an elegant gateway to the outdoors. Also available as a single panel door.



**2 Panel Fixed** - Either panel can be active, one panel is fixed.



**2 Panel Double Door** - Both panels can be active.



**3 Panel** - Any of the three panels can be active.

# The perfect doors for our windows.

GROW

Laugh, Love  
and Dance  
often

Be  
you

Our sliding patio doors are available in vinyl, clad vinyl and clad wood. (Clad-wood doors are also available as hinged French doors.) Designed to coordinate with our windows, they provide the perfect gateway between your indoor and outdoor living spaces.

# Vista Series

## VINYL PATIO DOORS



Like our vinyl windows, our vinyl patio doors are designed to make your home more beautiful and more comfortable.

▶ **Seals out the elements**

Triple weatherstripping prevents drafts, dust and moisture from getting in. The vinyl welded common frame helps prevent air and water penetration.

▶ **Strong and secure**

Interlocking stiles are reinforced with steel.

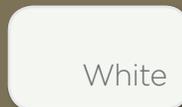
▶ **Large sizes**

Available in 8-ft. height to accommodate taller ceilings. Wider 12-ft. panels available in 3- or 4-panel units.

▶ **In-Glass Blinds**

Now Available.

### Frame Colours



White



Beige



### Hardware Colours

Choose from three standard and 10 designer colours. See page 34 for details.

Colours are reproduced as accurately as printer technology allows. Toelock is optional for additional security.

# Classic Series

## VINYL PATIO DOORS

This sturdy wood frame sliding door is entirely clad in vinyl. It's one of the quietest, smoothest patio doors on the market.

▶ **Seals out the elements**

Triple weatherstripping prevents drafts, dust and moisture from getting in.

▶ **Strong and secure**

Interlocking stiles are reinforced with steel. Features a mechanically fastened woodbuck frame.

▶ **Large sizes**

Available in 8-ft. height to accommodate taller ceilings. Wider 12-ft. panels available in 4-panel units.

### Frame Colours



White



Beige



### Hardware Colours

Choose from three standard and 10 designer colours. See page 34 for details.



# Design Series

CLAD PATIO DOORS

## ► Get the best of both worlds

On the outside, extruded aluminum cladding ensures lasting beauty. On the inside, high performance vinyl offers a clean, low-maintenance look.

## ► Sturdy construction

Multi-chamber, 100% PVC frame and sash with steel reinforcements ensure lasting beauty.

## ► High efficiency glass

Designed for our northern climate, it increases comfort and lowers energy bills. LoE glazing ensures maximum energy rating.

## In-Glass Blinds

► Now Available.



## Matching Hardware



Matched hardware for both interior and exterior colours. See page 34 for details.

## Interior Colours

White

Beige

Colours are reproduced as accurately as printer technology allows.

## Exterior Colours

White

Brown

Black

Slate Grey

Warm Silver

White toe lock is included for added security.



Aluminum raised rail protects wheels from damage and jamming from dirt and debris.



Ultra-durable nylon tandem wheels leave no marks and provide smooth operation.



## Exterior Frame Colour



**ECP ENHANCED COLOUR PROTECTION**

An innovative Kynar® coating helps protect our darker colours from fading and chalking. Colours are reproduced as accurately as printer technology allows.

## Hardware Options



Hinged patio door hardware available in a choice of styles and finishes.

Sliding patio door hardware available in a variety of colours.



▶ **Beautiful any way you look at it.**

On the outside, durable aluminum cladding is available in an array of colours. On the inside, the fine grain texture of hem fir can be stained or painted to match your décor.

▶ **Sliding patio door**

Available in two styles: Narrow Rail (2¾" width stiles and rails) and Wide Rail (4½" width stiles and top rail, 7¼" width bottom rail).

▶ **Hinged patio door**

Inswing or outswing styles in an elegant wide rail profile (4½" width stiles and top rail, 7¼" width bottom rail).

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► **Hinged patio door**

Inswing or outswing styles in an elegant wide rail profile (4½" width stiles and top rail, 7¼" width bottom rail).

# Hardware



## Windows

Casement and awning windows feature Truth Encore® multi-point locks in 11 stylish colours.



White



Beige



Champagne



Faux Bronze



Chestnut Bronze



Matte Black



Brushed Nickel (\$)



Brushed Chrome (\$)



Western Pewter (\$)



Antique Brass (\$\$)



Oil Rubbed Bronze (\$\$)

(\$ and \$\$ indicate additional cost)

## Sliding Patio Doors

Vinyl and Clad Wood sliding patio doors come standard with stylish Allure hardware in three colours. Upgrade to Signature hardware for a choice of 8 designer colours which are available with a keylock. Colour matched (interior and exterior) Design Series handles come standard with Vinyl Clad sliding doors.

### Allure Handle



Black White Beige

### Design Series Handle

\*Painted hardware to match door colour.



White Int or Ext Beige\* Int Only Black Ext Only Brown\* Ext Only Slate Grey\* Ext Only Warm Silver\* Ext Only

### Signature Handle



Matte Black (\$) Faux Bronze (\$) Brass (\$\$) Antique Brass (\$\$) Chrome (\$\$) Brushed Chrome (\$\$) Satin Nickel (\$\$) Oil Rubbed Bronze (\$\$) Optional keylock available (\$\$)



## Hinged Patio Doors

Door handles add the finishing touch to our Signature Series hinged patio doors. We offer high quality Truth Sentry™ handles in a variety of attractive styles and finishes. Adjustable hinges in matching finishes are also available as an upgrade.



Transitional



Contemporary



Traditional

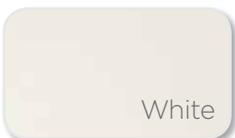


Modern



Classic

### Painted Finishes



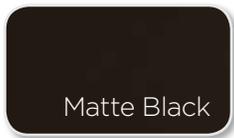
White



Beige



Faux Bronze



Matte Black

### Plated Finishes (\$)



Antique Brass



PVD Brass



PVD Chrome



PVD Satin Nickel



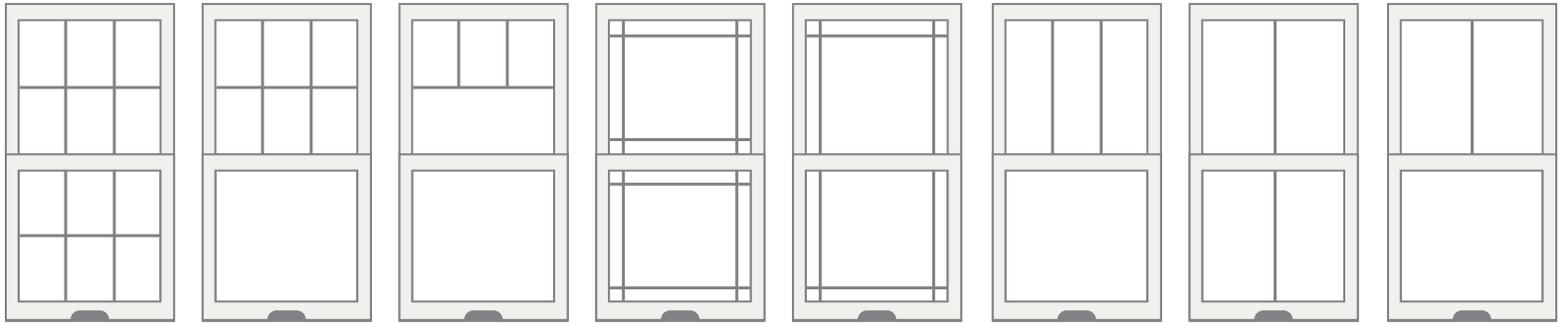
PVD Brushed Chrome



PVD Oil Rubbed Bronze

# Accessories

## Grille Patterns & Colours



Standard

Half Standard

Ladder

Heritage

Perimeter  
Heritage

Three  
Over One

Two  
Over Two

Two  
Over One

### In-Glass Grilles

These are installed between the glass panes. You'll never have to clean them.



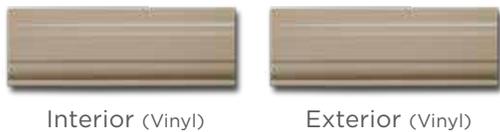
AVAILABLE SIZES	AVAILABLE COLOURS						
	White	Beige	Black	Brown	Red wood	Grey	Hunter Green
1" Flat Grille	•	•					
1 <sup>3</sup> / <sub>16</sub> " Flat Grille	•	•					
5/8" Flat Grille	•	•	•	•	•	•	•
5/16" Flat Grille	•	•	•				
1" Contour Grille	•	•	•	•	•		
3/4" Contour Grille	•	•/*	•/*	•/*	•		

\* Two-tone option available with white interior and beige, black or brown exterior. Colour always faces the exterior.

### Simulated Divided Lites (SDL)

These are installed on the outer glass surfaces to simulate the look of divided panes.

#### 1" SDL VINYL



Interior (Vinyl)

Exterior (Vinyl)

#### 1" SDL METAL CLAD VINYL



Interior (Vinyl)

Exterior (Aluminum)

#### 1" SDL METAL CLAD WOOD



Interior (Wood)

Exterior (Aluminum)

#### 2" SML VINYL



Interior (Vinyl)

Exterior (Vinyl)

#### 2" SML METAL CLAD VINYL



Interior (Vinyl)

Exterior (Aluminum)

#### 2" SML METAL CLAD WOOD



Interior (Wood)

Exterior (Aluminum)

Exterior and interior materials and colours are matched to your windows.

# Brickmould Options

Brickmould makes your windows appear more prominent and adds character to a home.

- ▶ New Construction brickmould has a nail fin for easy installation.
- ▶ Renovation brickmould has a removable cap and is available with a subsill or brickmould on all four sides.
- ▶ Rebate flush frame and stucco return frame styles are ideal for replacing aluminum sliders.



Vinyl Brickmould Corner



Clad Brickmould Corner



Rebate Flush & Stucco Rebate Frame



Colours are reproduced as accurately as printer technology allows.

	Vinyl	Clad Vinyl	Clad Wood
2" New Construction Brickmould	•		
2" 2-Part Renovation Brickmould	•	•	•
1 5/8" 2-Part Renovation Brickmould	•		
Rebate Flush Frame	•		
Stucco Return Frame	•		

Vinyl New Construction brickmould available in white and beige only.

# Screens

Screens for clad wood windows are available in seven colours plus stainable wood grain. (Vinyl windows, vinyl sliding patio doors and clad wood sliding patio doors come with matching screens.)

Screen colour options for clad wood windows:

- Stainable
- Black
- Champagne
- Chestnut Bronze
- Brushed Chrome
- Beige
- White
- Gold



# Jamb Liners

Jamb liners provide a clean transition between the window and interior trim. They cover the inside surface of the side jambs, the head jambs and sill. Available in vinyl, foam filled PVC, hem fir, oak or pre-primed wood in sizes to fit all wall depths.

A drywall return channel, which connects to drywall or plywood used as interior jamb on the window frame, is available in 1/2" and 3/4" sizes.

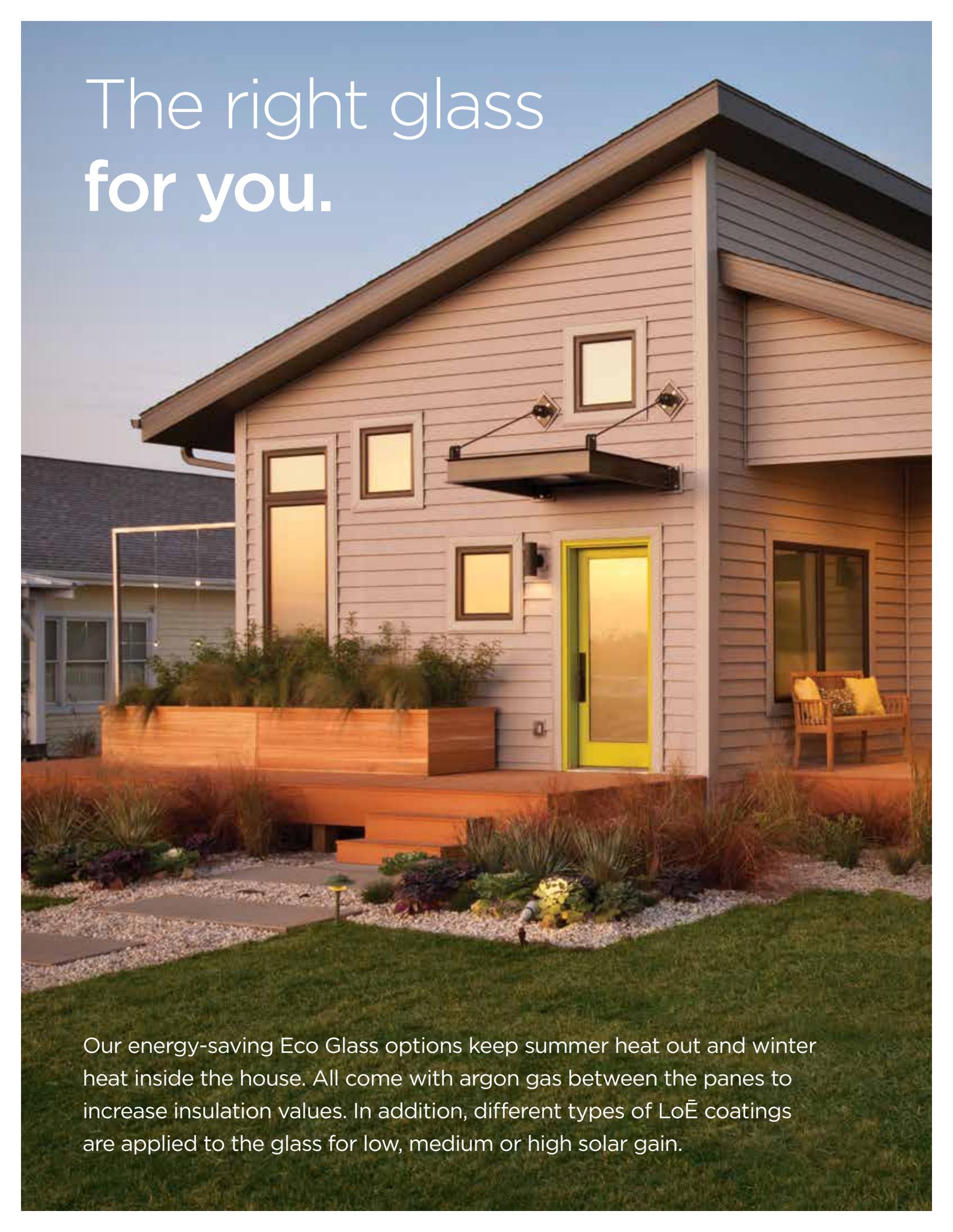


Jamb Liners available in vinyl, foam filled PVC, hem fir, oak or pre-primed wood



Drywall Returns

# The right glass for you.



Our energy-saving Eco Glass options keep summer heat out and winter heat inside the house. All come with argon gas between the panes to increase insulation values. In addition, different types of LoE coatings are applied to the glass for low, medium or high solar gain.

## What is LoE?

Low emissivity (LoE) coatings are applied to glass surfaces to reduce the transfer of heat through the window. High solar gain LoE lets more of the sun's heat pass into a room. Low solar gain LoE blocks more of the sun's heat.

## ECO GAIN 180

High Solar Gain Glass

A great choice for our northern climate because it allows solar energy to pass through the glass to provide “free heat” in winter. LoE reflects heat back into the room, reducing home heating needs. Throughout the year, Eco Glass Gain 180 protects furnishings from fading and insulates against extreme temperatures.



## Sunny or shady outlook?

South and west-facing windows get the most sunlight. If you want to take advantage of free heat from the sun, consider moderate or high solar gain glass in those locations. If glare is a concern, ask about our tinted glare control glass.

## ECO SHIELD 270

Solar Control Glass

A good choice for variable climates. In summer, Eco Glass Shield 270 can reduce solar heat gain by 50% or more compared to ordinary glass. In winter, argon fill and LoE work together to maintain comfort and reduce energy needs. Throughout the year, Eco Glass Shield protects against fading without darkening your view.

## ECO MAX SHIELD 366

Ultimate Performance Glass

This “spectrally selective” glass provides the highest level of comfort, energy savings and fade protection. Instead of one or two layers, the glass is coated with three layers of silver to block summer heat and retain your home's heat in winter – with no room-darkening tints and virtually no exterior reflectance.

# Privacy Glass

Obscure textured glass ensures privacy while allowing sunlight to brighten a room. It's ideal for bathrooms.



Arctic



Crossreed



Gluechip



Pinhead



Rain



1/2" Reeded



Satin Etch

## Tinted Glass

Tinted glass provides privacy, glare control and a splash of colour.



Bronze



Green



Grey

## Preserve™ Protective Film

## NEAT® Glass



NEAT® glass



Ordinary glass



We help protect our windows and doors during transit and at the job site by applying a clear protective film on inner and outer glass surfaces. It eliminates masking and makes cleanup a snap. Simply peel it off to reveal spotless glass.

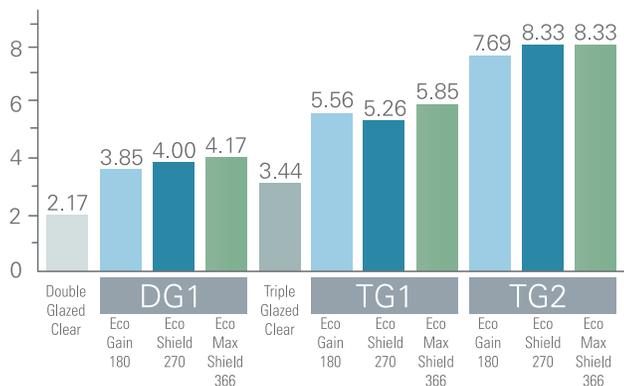


This special coating reacts with the sun's rays to loosen dirt so it rinses away when it rains. With NEAT®, your windows will stay cleaner longer and be easier to clean. Available with Eco Shield and Max Shield glass.

# Performance Ratings

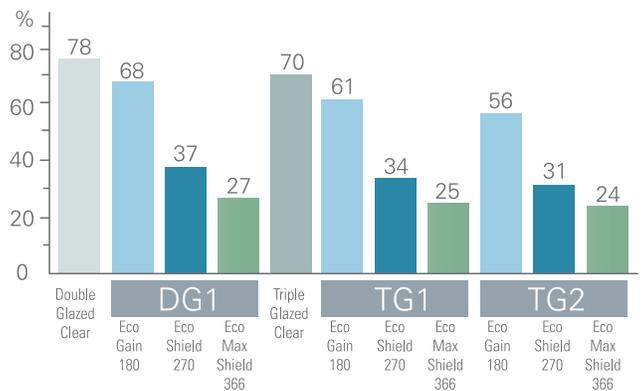
Ply Gem manufactures windows and patio doors in Canada for the range of climates our country can have. We are the experts on the benefits of energy-efficient windows as well as how they work and when to select each one to ensure code compliance as well as maximum efficiency and comfort for your home. Contact your Sales Representative or dealer to discuss meeting or exceeding NAFS (North American Fenestration Standard) Building Code 9.36 requirements with Ply Gem.

## R-Value (centre of glass)



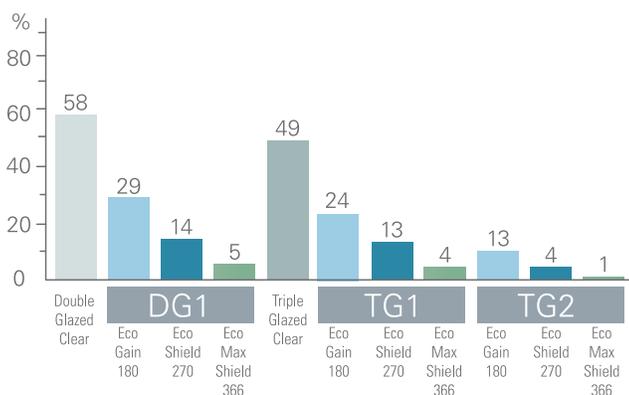
**R-Value:** A measure of heat flow through a window. The higher the number, the better the glass is at blocking heat.

## Solar Heat Gain Coefficient



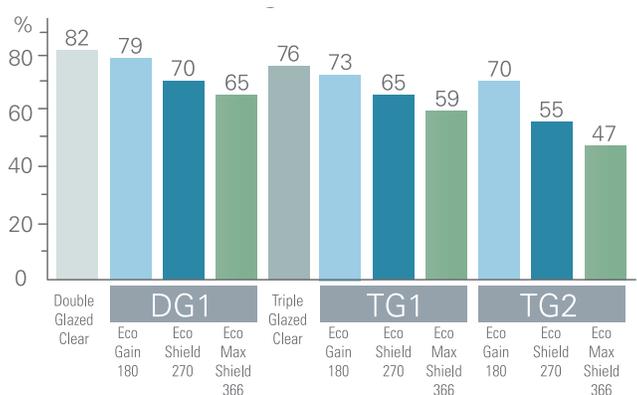
**SHGC:** A measure of solar radiation transmitted through the glass. Higher numbers mean more heat gain in a home.

## Ultraviolet Transmission



**UV Transmission:** A measure of UV radiation transmitted through the glass. The lower the number, the better the glass is at protecting furnishings from fading.

## Visible Light Transmission



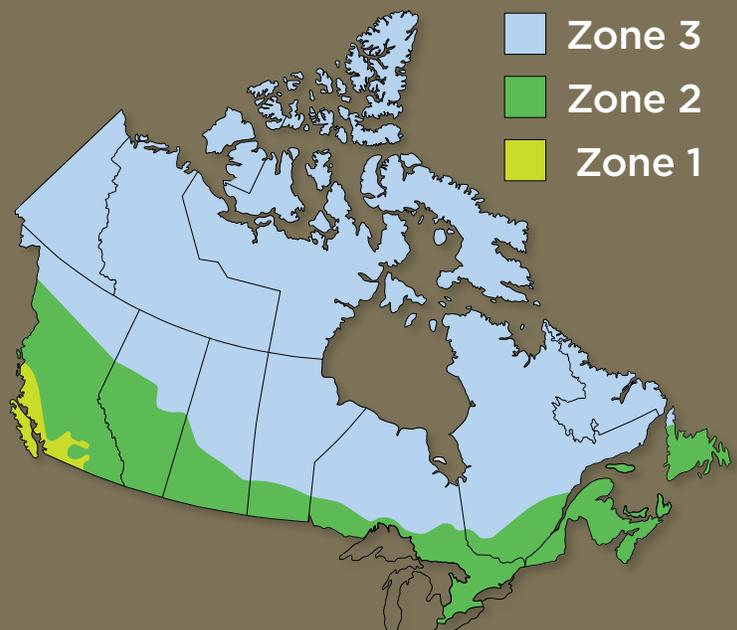
**VLT:** A measure of visible light transmitted through the glass. Higher numbers mean more daylight can enter a room.

# Custom made for our Canadian climate.

When you live in a country as big as ours, climate conditions vary from wet to dry to extreme hot and cold. So we design our windows to fit the conditions where you live. Our vinyl windows have air pockets inside them that insulate like a parka. Welded corners ensure air and water never get through. Double- and triple-glazed glass packages can be tailored to your needs to make your home as cozy and energy efficient as possible.

## What's your climate zone?

Ply Gem windows and patio doors can be configured to meet or exceed ENERGY STAR<sup>®</sup> requirements for each climate zone. For ENERGY STAR ratings visit [plygem.ca](http://plygem.ca).



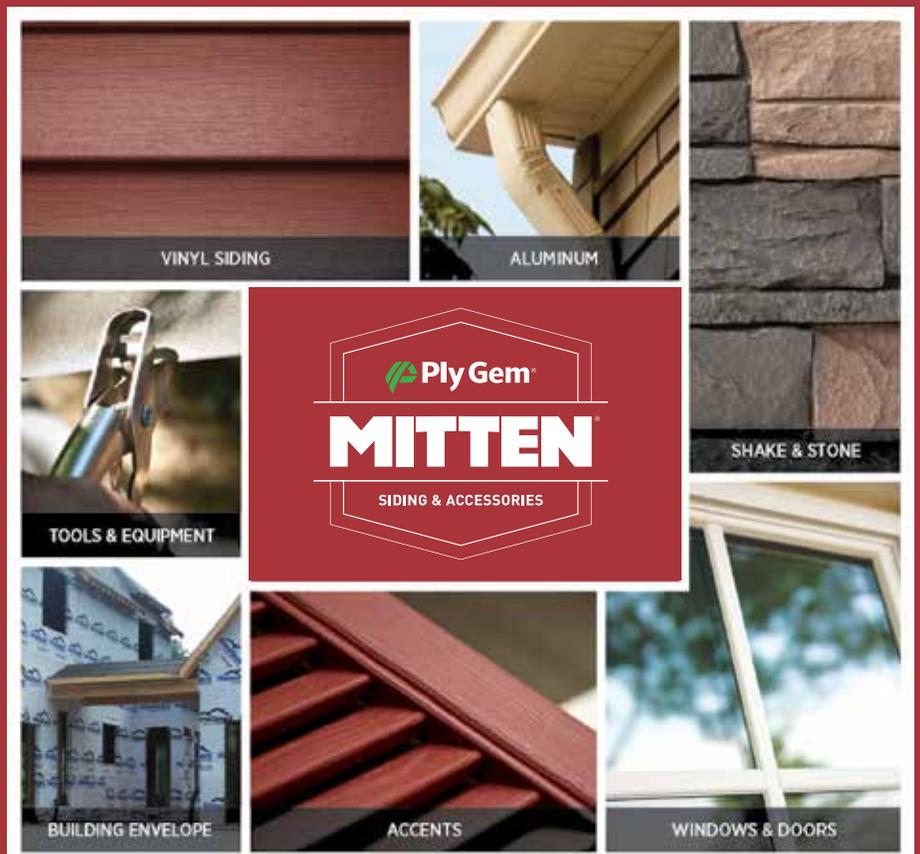
# The Designed Exterior Visualizer.



Ply Gem wants you to take an active role in planning the look of your home exterior. The Ply Gem Designed Exterior Visualizer on [plygem.ca](http://plygem.ca) was designed for you to experiment with our different colours, textures and product lines. Create your custom home exterior that only you - and Ply Gem, together - can produce.

## Mitten Siding & Accessories

Ply Gem Building Products is the Manufacturer and Distributor of Mitten Siding & Accessories. Mitten has 7 product categories designed to work together to create the home exterior of your dreams. Vinyl siding, Aluminum, Shake & Stone, Windows & Doors, Accents, Building Envelope and Tools & Equipment are available across Canada through our in-house distribution. To find a dealer near you visit [www.mittensiding.com](http://www.mittensiding.com).



# Entry Doors

FOR MORE INFORMATION SEE  
THE PLY GEM DOOR BROCHURE

## Fiber Stain



- The beauty of traditional woodgrain doors
- Will not warp, rot or rust
- Four woodgrain patterns to choose from
- Can be stained or painted to complement your home's colour scheme
- Compression molded for high impact strength

## Fiber Tuff

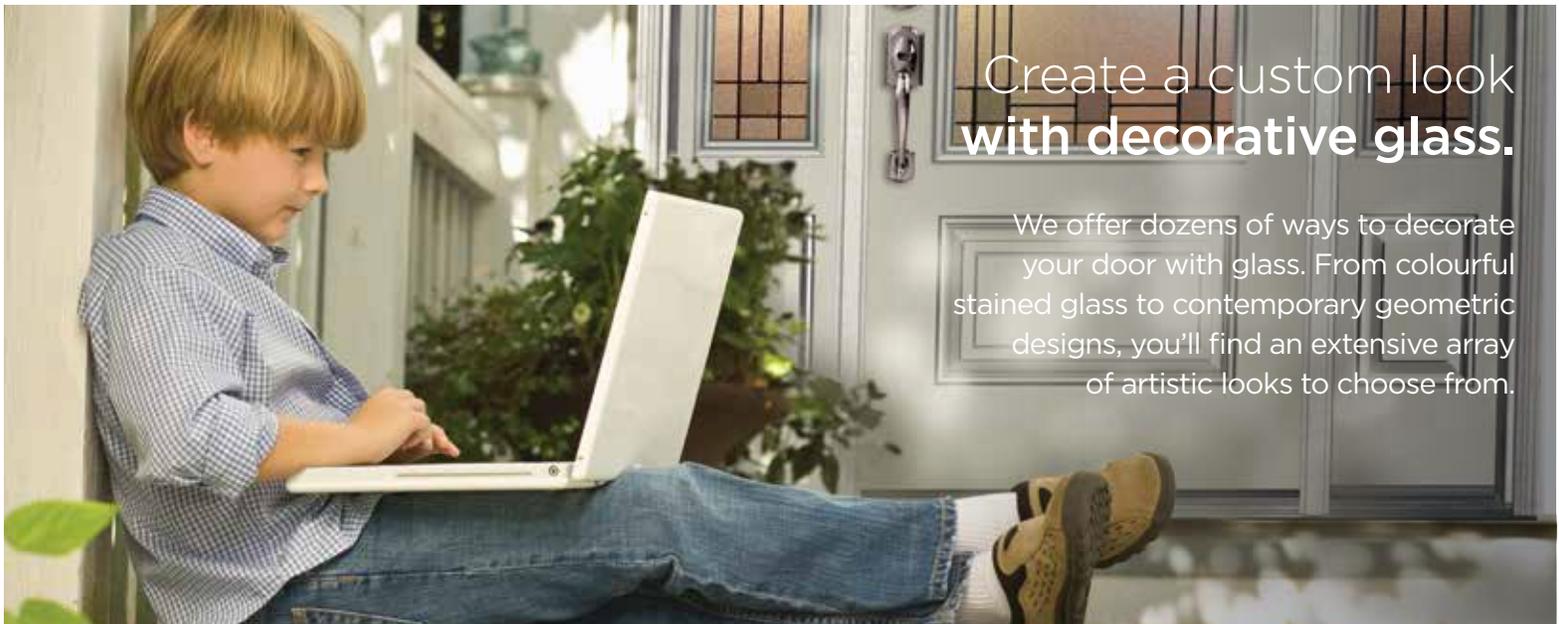


- Smooth fiberglass door holds paint better than traditional wood doors
- Will not warp, rot or rust
- More durable than wood
- Insulates up to six times better than wood doors
- A variety of flush and embossed panels available, many with glass options

## Steel



- One of the most secure entry doors you can buy
- The steel skin prevents rotting, swelling and cracking
- Does not absorb moisture like wood so it holds paint longer for a bright entrance
- Helps insulate from heat, cold and outside noise



Create a custom look  
**with decorative glass.**

We offer dozens of ways to decorate your door with glass. From colourful stained glass to contemporary geometric designs, you'll find an extensive array of artistic looks to choose from.

# Warranty



Ply Gem. Trusted by more builders **than any other window brand.**

Ply Gem is the number one provider of vinyl windows and doors for new homes across Canada. No other manufacturer produces more windows for more homes. And with a wide range to choose from, there's a Ply Gem window or door that's right for every home. Each is built with the same attention to quality that's been the hallmark of Ply Gem since 1947.



## Peace of mind comes standard.

The quality of Ply Gem windows and doors is reflected in the warranty that backs them. We guarantee our glass units against failure for as long as you own your home. Other components in our vinyl windows and patio doors are covered for up to 20 years. Furthermore, if you sell your home coverage is transferable to the new owner for up to 10 years. So whether you're moving in or moving on, your investment is protected.



# The Ply Gem Promise



Ply Gem is a 70-year leader in pioneering performance home exteriors, with a superior warranty for exactly the home you want for decades to come.  
For more information, visit [plygem.ca](http://plygem.ca)

