



**Window and Door Manufacturer**



**DESIGNED**  
FOR YOUR **COMFORT**

# THE COMPANY

Solaris International is a manufacturer of PVC (Polyvinyl Chloride) windows and doors, offering a wide range of window styles including casement, awning, double-hung and horizontal slider. Our door selection includes the Myriade™ door made entirely of PVC as well as the PVC clad wood-frame *Elegancia* patio doors. Not just designed for new construction installations, Solaris products are also widely used throughout the renovation industry.

Our unique PVC frame configuration was designed to integrate effortlessly with a wide range of moldings, making the installer's work quick and easy, saving everyone time and money. All Solaris windows and doors are manufactured on a per-order basis only. Our Just-in-time manufacturing process gives us the flexibility to insure that all our clients receive rapid, reliable and customized service.

Solaris has built its reputation on the superior quality of its products, personalized service, and the expertise and professionalism of its personnel. Solaris doors and windows always meet or exceed the highest standards in the industry.











# PVC CASEMENT AND AWNING

This all-new **SolarStar** series introduced in 2011 is the latest evolution of the casement and awning window system for which Solaris has become renowned. A unique Solaris design, these windows are available in a 4 5/8" or a 6 5/8" frame with the advantage of a recessed sash located within the insulated part of the wall. This unique feature, combined with a multiple air chamber design, considerably reduces heat loss and condensation.

The frame and sash have fusion-welded corner joints to prevent air and/or water infiltration, as well as a combination of three easy-to-replace weather-strips on the sash. Retention moldings for the sealed glazed units are situated on the inside of the pane for added security. These can be easily removed to replace a glazed unit.

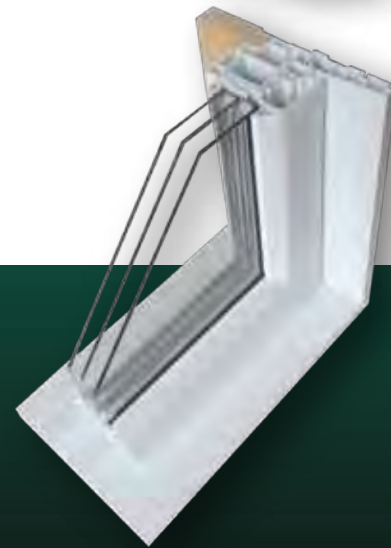
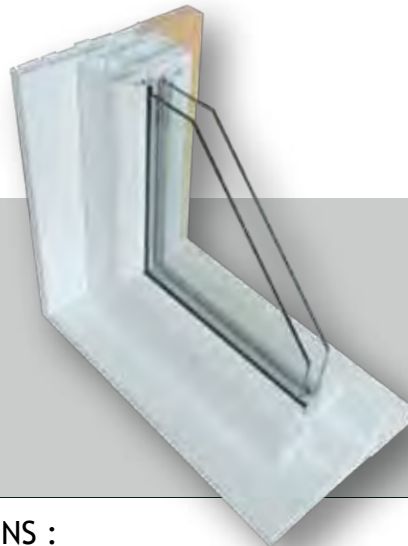
The frame and sash on the **SolarStar** series are constructed of high impact resistant PVC that complies with all North American standards. See page 22 and 23.



# They will surprise you!

## FEATURES:

- 4 5/8" frame
- **New 6 5/8" frame profiles** available that position the sash in the inner part of the wall to reduce the risk of condensation and improve energy efficiency
- 0.078" (2 mm) thick exterior walls
- Contemporary sash design
- Fusion-welded corners for extra strength
- Multiple air chambers for warmth and comfort
- Integrated frame cavity for drywall or wood jamb extensions
- Fiberglass screen mounted on an aluminum frame
- No caulked joints
- 7/8" double-glazed units or 1 3/8" triple-glazed units
- 6 degree sill slope for better water drainage
- Easily replaceable triple weather-stripping on sashes
- Invisible water drainage system
- Frame structure ensures maximum window area
- Retractable "Encore" handle made by Truth
- Polyurethane foam in mullions of bay and bow windows
- Contemporary-style retention molding installed inside for maximum security
- Multi-point locking mechanism lets you open and close with a single movement



## OPTIONS :

- Non-standard dimensions available with a wide range of transoms
- Acrylic-urethane enamel finish on all interior and exterior surfaces available in a wide variety of colors.
- (11/16" and 1 1/4") brick moulding, nailing and J nailing fin (see page 21)
- Integrated Georgian or pencil aluminum grills (see page 20)
- (Low-E) glazed units insulated with argon gas
- Many interior jamb extensions available (see page 20)
- 1 1/4", 2" and 3 1/4" true divided lite window also available in combinations



3 1/4" TDL





# DOUBLE HUNG WINDOWS

The **SolarStar** double-hung window combines elegance and strength. Designed by our experienced team, the frame and sashes are fusion-welded to ensure a complete seal. This window is characterized by a fusion-welded flat sill with a slope of 10 degrees and a weight balance system ensuring constant smoothness and ease of operation of the sash. Regardless of the location of the window, maintenance and cleaning are easier thanks to both sashes that can be tilted inward. Our unique extruded PVC has multiple air chambers providing excellent insulation and greater resistance to condensation.

The **SolarStar** system includes three mohair-pile weather-strips on the sashes (horizontal and vertical installation) and a weather-stripping with a freeze-proof air cushion weather-strip at the bottom of the lower sash. The colonial-style retention moldings are sealed inside and equipped with a flexible co-extrusion with excellent protection against air and water infiltration. They also allow easy replacement of sealed glazed units from inside your home.

The **SolarStar** series frame and sashes are manufactured of highly resistant PVC according to North American Standards. See page 22 and 23



## Elegant and sturdy!

### FEATURES:

- 4 5/8" frame
- 0.078" (2 mm) thick exterior walls
- Fusion-welded corners for extra strength
- Multiple air chambers for warmth and comfort
- Fiberglass screen mounted on an aluminum frame
- No caulked joints
- Double-glazed units with a total thickness of 3/4"
- Colonial-style glazed unit retention moldings for maximum security
- 10 degree sill slope for better water drainage
- Triple weather-stripping on the sashes
- 1 3/4" thick sashes feature rounded corners and a full-width extruded lift bar
- Frame structure designed to ensure maximum visible glass
- Polyurethane foam in bay, bow, and box window mullion
- Interlocking meeting rail with weather-stripping
- Freeze-proof air-cushion weather-strip on bottom sash
- Weight-balanced system ensures smooth even sliding
- Elegant hardware with lock concealed from the exterior
- Integrated frame cavity for drywall or wood jamb extensions
- Attractive locking mechanisms permitting sashes to be tilted inwards
- Double window locks for 35 1/2" and larger windows
- Both sashes tilt inwards for easier cleaning



### OPTIONS :

- Many non-standard dimensions available
- 1 1/4" true divided lite window
- Acrylic-urethane enamel finish used on all interior and exterior surfaces offered in a wide variety of colors.
- (11/16" and 1 1/4") brick mouldings, nailing, and J nailing fin (see page 21)
- Integrated Georgian or pencil aluminum grills (see page 20)
- Low-E glazed units insulated with argon gas
- Many jamb extensions available (see page 20)
- Aluminum reinforcement bar at meeting rail





# HORIZONTAL SLIDER

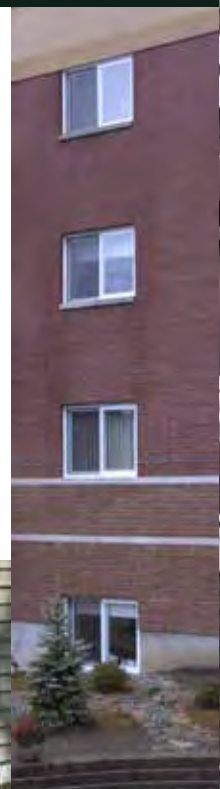


The **Solar** sliding window is exclusive to Solaris. Available in a 4 5/8" frame, it is manufactured in two or three sections, according to the preference of the customers. One section is permanently fixed to the frame to ensure greater rigidity and better long-term performance.

The mobile component is equipped with tandem wheels rolling on a raised PVC slide. Unlike traditional sliding window with glazed units or 4 single panes, the design of the **Solar** series greatly facilitates maintenance.

Multiple air chambers provide excellent insulation, increased durability and better resistance to condensation.

The frame and components are manufactured from ultra-resistant PVC.





## Simple and efficient!

### FEATURES:

- 4 5/8" frame
- 0.078" (2 mm) thick exterior walls
- Fusion-welded corners for extra strength
- Multiple air chambers for warmth and comfort
- Integrated frame cavity for drywall or wood jamb extensions
- Fiberglass screen mounted on a white aluminum frame
- No caulked joints
- Double-glazed units 3/4" total thickness
- Glazed unit retention moldings on inside for maximum security
- 3 degree sill slope
- Interlocking meeting rail with weather-stripping
- Easy-to-replace white weather-stripping on sashes
- Exclusive locking system for added security
- Invisible water drainage system
- Sliding sash equipped with tandem nylon rollers for easy gliding and efficient movement



### OPTIONS :

- Non-standard dimensions available with a wide variety of transoms
- Acrylic-urethane enamel finish used on all exterior surfaces offered in a wide variety of colors
- (11/16" and 1 1/4") brick mouldings, nailing, and J nailing fin (see page 21)
- Integrated Georgian or pencil aluminum grills (see page 20)
- Low-E glazed units insulated with argon gas
- Many jamb extensions available (see page 20)





# HYBRIDE



Newly arrived, our Hybride casements and awnings combine the strength of aluminium with PVC's low transfer rate of heat towards the exterior. They will satisfy the most demanding.

A unique design, these windows are available in a 4 5/8" frame with the advantage of a recessed sash located within the insulated part of the wall helping considerably to reduce heat lost and condensation.

Combine together aesthetics, strength and performance.





## FEATURES:

- 4 5/8" thermal fusion welded, multi-chambered PVC frame with a contemporary style snap-on extruded aluminium cladding
- 4 standard colors of extruded aluminium available with a wide variety of optional colors possible
- Exterior walls of the extruded aluminium 2 mm thick
- Sturdy PVC sash welded at the corners with an extruded aluminium exterior, with crimped corner assembly
- Multiple air chambers for superior energy efficiency
- Integrated frame cavity for drywall or wood jamb extensions
- Fiberglass screen mounted on an aluminum frame
- No caulked joints
- 7/8" double glazed sealed unit or 1 3/8" triple glazed sealed unit
- Sloped sill
- Triple replaceable weather stripping
- Structural frame allows a maximum visible glass surface
- Retractable "Encore" handle made by Truth
- Multi-point locking mechanism lets you open and close with a single movement

## OPTIONS :

- Non-standard dimensions and several transom styles available
- Acrynar enameled finish on the 4 standard colors and urethane finish on optional interior colors
- 1 1/4" brickmould
- Integrated Georgian or pencil aluminum grills (see page 20)
- (Low-E) glazed units insulated with argon gas
- Many interior jamb extensions available (see page 20)
- 2" and 3 1/4" true divided lites



# MYRIADE™ THE DOOR MADE ENTIRELY OF PVC

Add comfort and beauty to your home by combining innovative style with 21st century technology!

Thanks to technology, Solaris has developed a door made entirely of PVC, providing optimal thermal efficiency. This rugged high performance door is virtually maintenance free.

Thanks to the unique properties of PVC, this door will never sag, rust, warp, or swell. The quality of the design and materials ensure you will enjoy a trouble-free door for years to come. Enjoy the charm of more light, with a larger window than conventional doors.

Available in virtually unlimited sizes and configurations, our versatile Myriade™ door is a deal for any residential project.

Let your imagination run free by adding any configuration of grills and colors...







## FEATURES:

1. Multi-chamber structure for added warmth and comfort
2. Full perimeter compressible weather-strip fusion welded at each corner
3. Galvanized steel-reinforcement for added rigidity
4. 7/8" thick sealed units, double-tempered energy-efficient glass
5. 6 9/16" PVC frame
6. PVC sashes and frame fusion-welded at each corners for extra rigidity and weatherproofing
7. Sloped aluminum-covered sill facilitates water drainage
8. Multipoint locking system and adjustable hinges are standard and available in a wide range of finishes to match your choice of handle



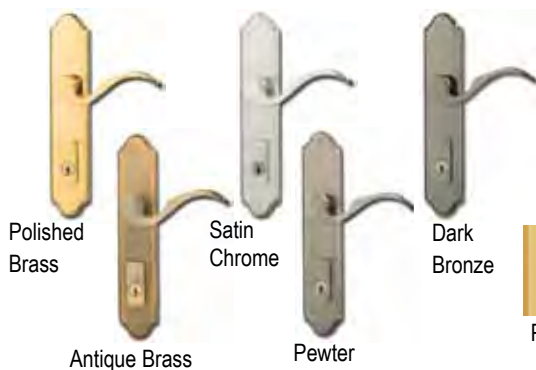
## OPTIONS :

- Many types of transoms available
- Acrylic-urethane enamel finish used on all interior and exterior surfaces offered in a wide variety of colors
- Integrated Georgian or pencil aluminum grills (see page 20)
- Simulated divided lite window
- Many jamb extensions available (see page 20)
- Height 94 1/2"
- Black, brown or beige weather-stripping

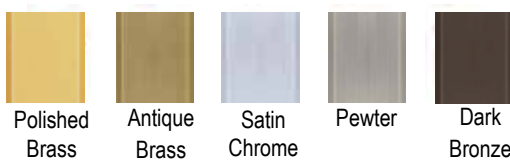


## Choice of handles and finish

### CAPRI



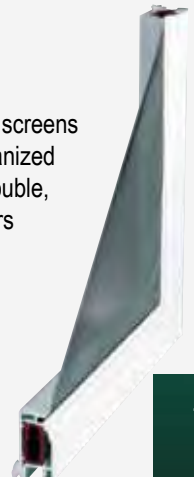
### ALLEGRO



(Actual colors of handles finish may differ from the pictures)

## SCREEN

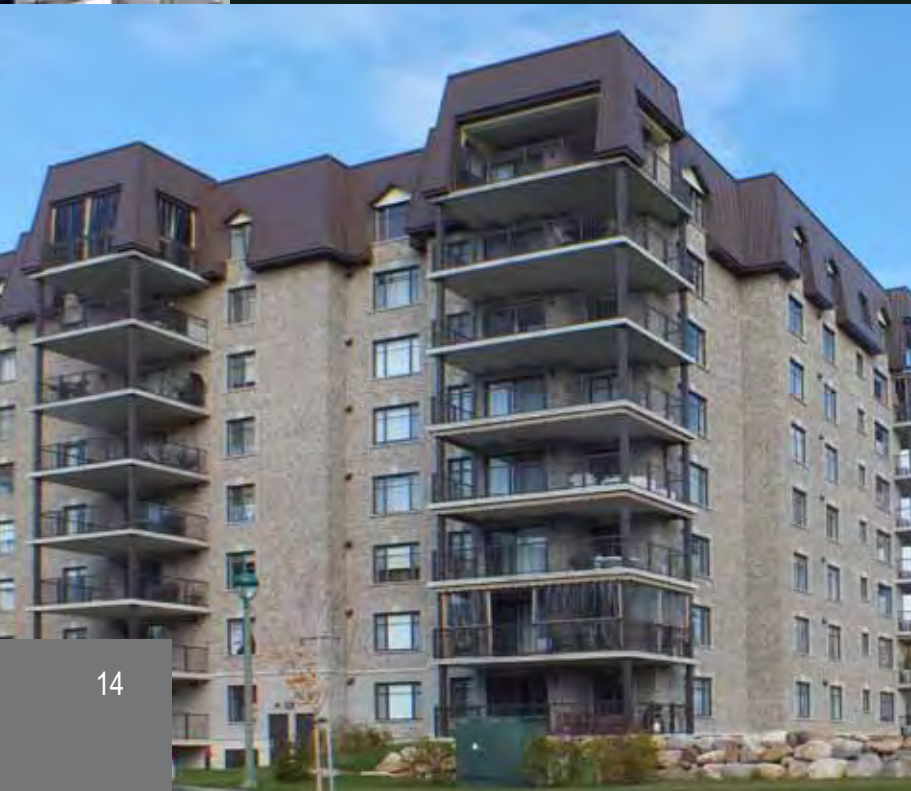
Fusion-welded PVC screens reinforced with galvanized steel available on double, triple, and quad doors







# DESIGNED FOR YOUR COMFORT









# HORIZONTAL SLIDING PATIO DOORS



## The ultimate in Sliding Patio Doors!

The *Elegancia* patio door, manufactured by Solaris, is a product of the highest quality, resulting from unprecedented research and development efforts.

This premium product is the most significant development in patio doors in years.

It offers the best price/performance ratio on the market and sets a new standard for all the other patio doors.





## FEATURES:

- Tandem rollers assuring smooth silent movement
- Frame available in 4 9/16" and 6 9/16"
- PVC clad wood frame
- 3 3/16" PVC sash reinforced with rigid galvanized steel and fusion-welded corners
- Fiberglass screen with extruded aluminum frame
- Exclusive double-latch handle
- Patio door sill has a 10 degree slope to ensure water drainage
- 1" double-glazed units or 1 1/8" triple-glazed units

EXTERIOR SASH



INTERIOR SASH



## SIGNATURE HANDLE FINISH

White



Satin Chrome



Key lock



Satin Nickel



Black



## OPTIONS :

- Security bar
- Key operated lock
- Brick and J nailing fin mouldings
- Acrylic-urethane enamel finish used on all interior and exterior surfaces offered in wide variety of colors
- Many types of transoms and sidelights available
- Integrated Georgian or pencil aluminum grills (see page 20)
- Many jamb extensions available (see page 20)
- Low-E glazed units insulated with argon gas
- Threshold with integrated extension
- Signature handle, offered in 4 different finishes
- Foot lock
- Sill nosing



Your choice  
of colors!

SOLARIS HAS BEEN PAINTING WINDOWS  
IN MORE THAN 1000 DIFFERENT COLORS  
SINCE 1993, INCLUDING ALL COLORS USED  
BY MAJOR ALUMINUM AND VINYL SIDING  
MANUFACTURERS.

**WE HAVE PIONEERED THE ART OF  
PAINTING PVC DOORS**







Specially designed for rigid PVC, our acrylic urethane composite is available in a wide variety of colors. This high quality finish offers exceptional performance when it comes to preserving luster and adhesion, as well as heat and impact resistance. This ultra-resistant finish is applied and dried in an oven directly in our plant, under ideal controlled conditions.

The finish protects the PVC and other polymers against sun damage. This process has been used successfully throughout North America since 1993. Visit our website for more details: **[www.solaris-intl.com](http://www.solaris-intl.com)**

# AND WINDOWS

AN ULTRARESISTANT,  
FACTORY APPLIED FINISH!



# GRILLS



Solaris offers a wide variety of aluminium grills integrated right inside the glazed units. They are available in Georgian or Pencil styles. Only Georgian style grill can be matched to the colors of the windows and doors.



Silver

White

Brass

Pewter

Pencil



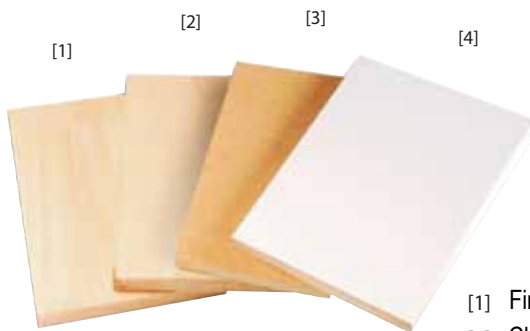
3/4"

1"

Georgian



## JAMB EXTENSION



- [1] Finger jointed clear pine
  - [2] Clear select pine
  - [3] MDF
  - [4] PVC clad
- (Red Oak veneer also available)

## TDL



1 1/4"

2"

3 1/4"



# SHAPES



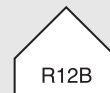
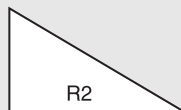
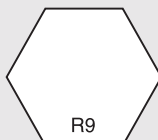
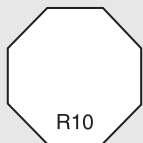
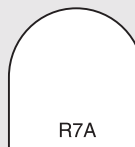
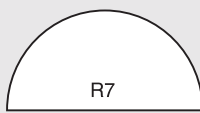
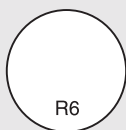
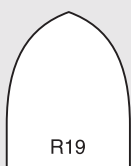
## Limitless combination

Solaris offers you a product beyond your expectations!

Bring elegance and charm to your home by personalizing it with any architectural style. Available in a large variety of colors...

Mix and match or stand alone, it's that easy using our exclusive assembly system available with your choice of 4 5/8" or 7 1/4" frame depth.

The rest is up to you!



## ACCESSORIES

We offer a wide selection of mouldings for new construction, remodeling jobs, or special projects. All Solaris mouldings fit on the exterior frame configurations to suit your needs such as J nailing fin [1], brick mouldings 1 1/4" [2], 1 1/16" [3] or nailing fin [4].



[1]



[2]



[3]



[4]



## QUALITY MEANS COMFORT AND ENERGY SAVINGS!

GLAZING TYPE	TOTAL UNIT "U" VALUE			
	SOLARSTAR CASEMENT	SOLARSTAR PICTURE	SOLARSTAR DOUBLE HUNG	<i>Elegancia</i> PATIO DOOR
DOUBLE GLAZED CLEAR	0.42	0.46	0.44	
DOUBLE GLAZED + 1 LOW E	0.27	0.26	0.28	0.33
TRIPLE GLAZED + 1 LOW E	0.21	0.20		
TRIPLE GLAZED + 2 LOW E	0.18	0.16		

The rate of heat flow through a fenestration product. The lower the value, the better the insulating quality of the fenestration product.

R=1/U (A U-VALUE of 0.32 is equal to a R-VALUE of 3.125)

## PERFORMANCE TEST REPORTS

### N.F.R.C 200 TOTAL UNIT SOLAR HEAT GAIN COEFFICIENT

GLAZING TYPE	N.F.R.C 200 TOTAL UNIT SOLAR HEAT GAIN COEFFICIENT			
	SOLARSTAR CASEMENT	SOLARSTAR PICTURE	SOLARSTAR DOUBLE HUNG	<i>Elegancia</i> PATIO DOOR
DOUBLE GLAZED CLEAR	0.50	0.64	0.55	
DOUBLE GLAZED + 1 LOW E	0.32	0.41	0.34	0.57
TRIPLE GLAZED + 1 LOW E	0.30	0.39		
TRIPLE GLAZED + 2 LOW E	0.23	0.29		

### SOLAR HEAT GAIN COEFFICIENT

The amount of direct solar radiation that enters through the fenestration product into the home as heat.

The lower the number, the better the unit is at preventing solar heat gain.

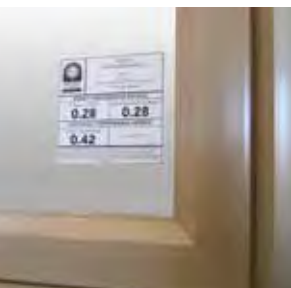




## VISIBLE TRANSMISSION

GLAZING TYPE	SOLARSTAR CASEMENT	SOLARSTAR PICTURE	SOLARSTAR DOUBLE HUNG	<i>Elegancia</i> PATIO DOOR
DOUBLE GLAZED CLEAR	0.53	0.68	0.58	
DOUBLE GLAZED + 1 LOW E	0.47	0.61	0.52	0.64
TRIPLE GLAZED + 1 LOW E	0.44	0.56		
TRIPLE GLAZED + 2 LOW E	0.38	0.49		

Mesures the amount of visible light that is transmitted through the fenestration product.  
The number is the percentage of light that is transmitted through the fenestration product.



## AIR, WATER AND STRUCTURAL PERFORMANCE

STYLE PRODUCT DESIGNATION	SIZE	TEST METHOD	OVERALL
SOLARSTAR CASEMENT	32 X 63 62 X 63 101 X 71 122 X 71	AAMA/WDMA/CSA 101/I.S.2/A440-08 AAMA/WDMA/CSA 101/I.S.2/A440-08 AAMA/WDMA/CSA 101/I.S.2/A440-08 AAMA/WDMA/CSA 101/I.S.2/A440-08	LC-PG-65-C R-PG-55-C R-PG-40-C R-PG-30-C
SOLARSTAR FIX PICTURE	79 x 79	AAMA/WDMA/CSA 101/I.S.2/A440-08	CW-PG70-FW
SOLARSTAR DOUBLE HUNG	36 X 60 48 X 78 95 X 72 121 X 71	AAMA/WDMA/CSA 101/I.S.2/A440-08 AAMA/WDMA/CSA 101/I.S.2/A440-08 AAMA/WDMA/CSA 101/I.S.2/A440-08 AAMA/WDMA/CSA 101/I.S.2/A440-08	R-PG-45-H LC-PG-30-H R-PG-30-H R-PG-40-H
MYRIADE DOOR	71 X 81	AAMA/WDMA/CSA 101/I.S.2/A440-08	R-PG25-SHD
<i>Elegancia</i> PATIO DOOR	71 X 81	AAMA/WDMA/CSA 101/I.S.2/A440-08	R-PG-40-SD






WINDOWS  
AND DOORS

# DESIGNED FOR YOUR COMFORT



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