



QUALITY WINDOWS & DOORS. GREAT SERVICE. EXCEPTIONAL VALUE.

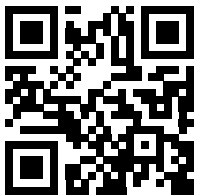
northstarwindows.com



Since 1985, North Star Windows & Doors has set the standard for beautiful, durable, and energy-efficient windows and doors. Whether you're constructing a new home or upgrading for better performance, our collection of windows and patio doors deliver exceptional quality and value.

As part of Cornerstone Building Brands, North Star benefits from the strength and innovation of North America's largest manufacturer of exterior building products, empowering us to exceed industry standards with cutting-edge manufacturing technology, ensuring reliability and performance in every product.

With a trusted network of dealers known for expert craftsmanship and service, North Star has proudly provided homeowners with exceptional windows and doors for over 40 years, delivering quality you can see and service you can rely on.



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COMFORTSTAR™ 2-PANEL PATIO DOOR
Midnight Black Interior & Exterior

Scandinavian Design — Moelker Homes
Brighton, Ontario





COMFORTSTAR™ 2-PANEL PATIO DOOR
Midnight Black Exterior

Project Winsor — EC Design + Build
Cobourg, Ontario

Built for Performance, Designed for Life.

ComfortStar™ sliding patio doors combine style, strength, and smart engineering for a product that performs year after year. Tested and certified to CSA standards with AAMA-certified extrusions and ENERGY STAR® compliant glass, ComfortStar is built to meet today's demands—and tomorrow's. Designed to achieve U-values as low as 0.16 (imperial) and 0.9 (metric), ComfortStar meets stringent energy codes through 2030, ensuring outstanding thermal performance across all climates.



QUALITY MATERIALS

Crafted from premium virgin vinyl PVC, enjoy superior strength, weather resistance, and lasting performance in any climate.



TRUSTED COVERAGE

Every sliding patio door is backed by a comprehensive Limited Lifetime Warranty, providing peace of mind coverage you can count on.



DURABLE LAMINATES

Our Fusion Colour Wrap™ laminates are scratch and abrasion resistant, delivering vibrant, UV-stable finishes that won't chip, peel, or fade.

Sliding Patio Door Hardware

Our modern, straight-line patio door hardware is available in a choice of single- or multi-point locking systems, in keyed and non-keyed configurations for added security. Handles come in both 8" and 10" sizes to suit your preferences.



Black Standard



White Standard



Satin Nickel +



Keyed Lock



Multi-Point



Single-Point

SINGLE-POINT HARDWARE

The standard single-point locking system offers secure functionality with a clean, classic design. Operated by a central latch mechanism, it delivers dependable everyday use and is available in both keyless and keyed options.

MULTI-POINT HARDWARE

For added security and smooth operation, North Star offers a multi-point locking system. Engaging at multiple locations along the frame, this advanced lock distributes pressure evenly for a tighter seal and enhanced protection against forced entry.

GRILLE OPTIONS

Create a unified aesthetic with traditional or contemporary grilles.



5/8 Flat



1/4 Flat



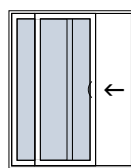
3/4 Contour

OPERATING STYLE

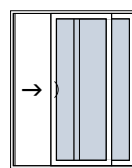
Available in 2-, 3-, and 4-panel configurations to suit a variety of spaces. For added flexibility, transoms and sidelites are also available in custom sizes and configurations, allowing you to create larger, light-filled openings tailored to your home's unique style.

X = Operating Panel O = Fixed Panel

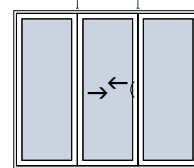
*3-Panel OXO is a sidelite and sliding panel combination.



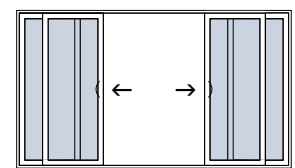
(OX-Slide left)



(XO-Slide right)



(OXO-Slide Centre L or R)*



(OXOX-Slide R and Slide L from Centre)

COMFORTSTAR™ 4-PANEL PATIO DOOR
Midnight Black Exterior

Project Monarch — EC Design + Build
Cobourg, Ontario



40 YEARS OF INNOVATION

The ComfortStar™ patio door is the by-product of 40 years of innovation and our commitment to consistently exceed industry standards – providing homeowners with products of exceptional value, and builders the versatility for any installation application.

Complete Comfort

Boasting superior thermal performance and high condensation resistance through modular design technology, ComfortStar™ improves the home's comfort levels through unrivaled energy performance and innovative construction.

CARDINAL LOË-180™

LoË-180 glass minimizes heat loss while maximizing passive solar gain. LoË-366 is available for enhanced solar control.

MULTI-CHAMBERED SASH

Designed to reduce heat flow, our multi-chambered sash enhances energy efficiency and improves U-value.



FUNCTIONAL DESIGN

With a sleek, functional design, ComfortStar™ brings a refined touch to any home while maximizing comfort.

SELF-DRAINING SILL

Available in clear or black anodized*, our self-draining sill channels moisture away to help keep your home dry and protected.

*Sill's come standard in grey PVC.



Fusion Colour Wrap™

The Fusion Colour Wrap™ is a multi-layered film that is applied to vinyl using polyurethane reactive hot melt to create a permanent bond between the wrap and vinyl; producing an extremely resistant finish that performs exceptionally well in all applications, including sea-side. Worry less about dirt and grime build-up with North Star's easy-to-maintain coloured laminates.

NEUTRAL INTERIOR & EXTERIOR FINISHES



Midnight Black



Anthracite*



Espresso



Cocoa*



Sable*



Hickory



Sandalwood*



Ivory*

FUSION COLOUR WRAP

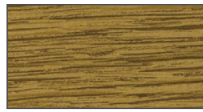
Midnight Black, Espresso and Hickory are available on the interior with matching exterior.

*Available on exterior only.

WOODGRAIN INTERIOR FINISHES



Paintable & Stainable



Light Oak



Kolonial Oak



Walnut

FUSION COLOUR WRAP™

Protect your home from the sun's harmful rays with Fusion Colour Wrap™ UV-resistant laminates. This durable method is extremely resistant to scratches and abrasions and is unaffected by environmental pollutants. Enjoy a 20-year warranty on all interior and exterior laminated finishes.

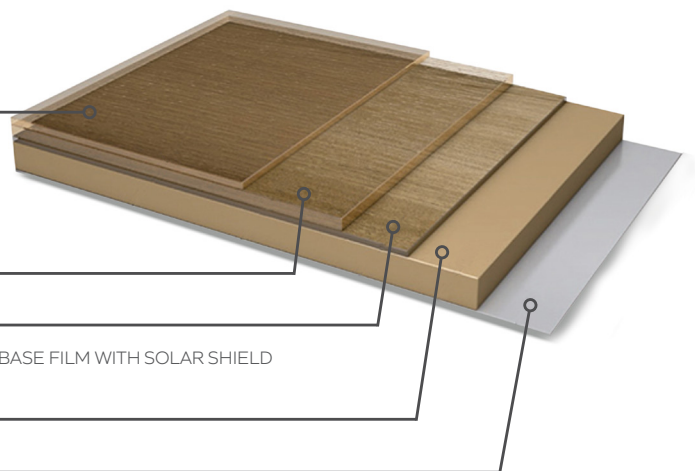
TRANSPARENT
ACRYLIC LAYER

TRANSPARENT
POLYMETHYL
METHACRYLATE
(PMMA) FILM PRINT

PRINT LAYER

PIGMENTED PMMA BASE FILM WITH SOLAR SHIELD
TECHNOLOGY (SST)

PRIMER



Internal Mini Blinds

North Star's internal mini-blinds are sealed between two panes of tempered safety glass. Finger tip controls allow the blinds to be raised or lowered and adjusted as needed to allow for light or privacy. No cleaning is ever required!

STANDARD + OPTIONAL (+) FEATURES

For added security, choose a bolt or anti-lift bar. The bolt allows partial opening for airflow while preventing forced entry, and the bar blocks sash movement entirely.



Blind Controls



Security Bolt +



Security Bar +

OPTIONAL TINTED GLASS

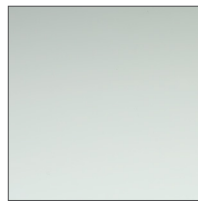
Tinted glass helps control solar heat gain and reduce glare.



Bronze Tint +



Grey Tint +



LoE-366 +



WHEN TO CHOOSE MINI-BLINDS

Internal mini-blinds are a great option for homeowners who want flexible light control, privacy, and low maintenance. Sealed between two panes of tempered safety glass, they eliminate the need for traditional blinds or curtains, keeping dust and allergens at bay. Mini-blinds are ideal for high-traffic areas, doors that open to patios or decks, and spaces where you want a clean, uncluttered aesthetic.

WHEN TO CHOOSE TINTED GLASS

Tinted glass is ideal for homes exposed to intense sunlight, helping to reduce glare, block UV rays, and minimize heat buildup without the need for additional shading solutions. LoE-366 glass goes a step further, offering protection against solar heat gain while maintaining clarity. These options are ideal for south- and west-facing exposures.

COMFORTSTAR™ 4-PANEL PATIO DOOR & TRANSOM

Midnight Black Interior + ¼ Flat Grilles

Eden View II — Everest Estate Homes
Tillsonburg, Ontario

DESIGNED FOR COMFORT

ComfortStar meets the stringent criteria for **ENERGY STAR® Most Efficient**, combining a low U-factor, high-performing glass, and a multi-chambered sash, thermally optimized frame. Engineered for superior energy savings, it's built to perform across all climate zones.

Performance You Can Feel

As an ENERGY STAR® Most Efficient patio door, ComfortStar™ was thoughtfully crafted to address long-term comfortability and provide a high degree of protection against the weathering elements and water infiltration.



Exterior View



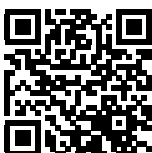
Interior View

PERFORMANCE RATINGS										
Glass Options	Thickness	Gap Fill	U-Value (m)	U-Value (imp)	SHGC	VT	CR	ER	ENERGY STAR Canada	ENERGY STAR USA
366-Clear	Double	Argon	0.26	1.48	0.21	0.5	58	19	No	Yes
Clear-180	Double	Argon	0.27	1.53	0.53	0.61	57	36	Yes	No
366-Clear-Clear	Triple	Argon	0.21	1.19	0.2	0.46	66	25	Yes	Yes
Clear-180-Clear	Triple	Argon	0.22	1.25	0.49	0.56	66	40	Yes	No
Clear-180-180	Triple	Argon	0.18	1.02	0.45	0.54	70	43	Yes	No

NAFS PERFORMANCE RESULTS				
Product	Canadian Air	Water Penetration	Design Load	Performance Grade
Sidelite	Fixed	440 Pa	2160 Pa	PG 45
2-Panel	A3	290 Pa	2160 Pa	PG 40
4-Panel	A2	290 Pa	1680 Pa	PG 35

COMFORTSTAR™ FEATURES

- ▶ Quanex Premium Super Spacer®
- ▶ Cardinal LoE-180™
- ▶ Multi-Chambered Extrusions
- ▶ Double + Triple Glazing
- ▶ Bronze + Grey Tint Glass Available



SCAN THE QR CODE

Watch as the ComfortStar™ sliding patio door effortlessly re-routes excess moisture and protects the home from water infiltration.



ComfortStar™ Sliding Patio Door

STANDARD & OPTIONAL FEATURES

Availability

- Standard
- Optional

Patio Door Styles & Configurations

- 2-Panel Sliding Patio Door
- 4-Panel Sliding Patio Door
- Sidelite
- Transom

Interior & Exterior Vinyl Colours

- White

Exterior Laminated Colours

- Midnight Black
- Espresso
- Anthracite Grey
- Sable
- Cocoa
- Hickory
- Sandalwood
- Ivory

Interior Laminated Colours

- Midnight Black
- Espresso
- Hickory
- Kolonial Oak
- Walnut
- Light Oak
- Paintable Stainable

Grille Profiles

- Between the Glass 5/8" Flat
- Between the Glass 3/4" Flat
- Between the Glass 3/4" Contour
- Between the Glass 5/16" Narrow

Glass Options

- Double Cardinal LoE-180 Glass + Argon
- Triple Cardinal LoE-180 Glass + Argon
- Cardinal LoE-366
- Cardinal LoE-272
- Bronze Tint Glass
- Grey Tint Glass
- White Integrated Mini-Blinds

Hardware Finishes

- White (Single & Multi)
- Black (Single & Multi)
- Satin Nickel (Multi)

Locking Options

- Single Point
- Multi-Point Locking System
- Keyed Locking System

Warm Edge Spacer System

- Super Spacer®

COMFORTSTAR™ 4-PANEL PATIO DOOR
Midnight Black Exterior

Project Monarch — EC Design + Build
Cobourg, Ontario





COMFORTSTAR™ 4-PANEL PATIO DOOR
White Interior + White Multi-Point Hardware

Banman Developments
London, Ontario



ComfortStar™ Specifications

FRAME & SASH

All frame and sash profiles are extruded in-house from virgin PVC for superior quality and consistency. The multi-chamber design enhances strength and energy efficiency. Frames are mechanically fastened and sealed with closed-cell polyethylene gaskets. The low-profile sill includes an anodized aluminum screen track. Sashes are fusion-welded for an airtight, watertight seal and reinforced with metal for added rigidity. Frame depth is a full 5 7/8".

INSULATED GLASS

Available in tempered double or triple-pane configurations, our insulated glass units feature low-conductivity Edgetech silicone foam warm edge spacers and Argon gas fill for enhanced thermal performance. Glass options include Cardinal LoE-180 (high solar gain), LoE-366 (low solar gain), and LoE-272 (for internal blinds). Units are constructed with 3mm glass and 1/2" air space or 4mm glass with 7/16" air space. Bronze and grey tints are offered in 5mm glass with 7/16" air space. Optional internal white mini blinds are available for added privacy and light control.

GLAZING

Insulated glass is set from the interior using neoprene setting blocks and stabilized with a silicone toe bead sealant. The unit is positioned against a flexible, co-extruded vinyl fin weatherstrip on the exterior sash edge. Interior glazing stops feature a matching weatherstrip to ensure a secure, weather-tight seal.

WEATHER STRIPPING

The door features advanced multi-layer sealing for superior air and water resistance. Triple weather-stripping includes mohair pile with a stiff fin vapor barrier, bulb-type compression gaskets, and closed-cell foam encased in vulcanized rubber. The sill and head around the operating panel feature four layers of low-friction, water-repellent weather-stripping. The meeting rail includes two water-repellent pile strips and two bulb gaskets. On the lock side, three triple weather-strips and additional bulb seals are used. The fixed panel is sealed with two closed-cell foam strips and two triple weather-strips.

HARDWARE

The operating panel features two tandem roller assemblies with composite rollers and heavy-duty housing to reduce noise and friction. A standard keyless multi-point lock and keeper are included. Multi-point and single-point locks are available with 10" and 8" handles, respectively.

HARDWARE OPTIONS

Each door includes a standard single- or multi-point locking system in white or black. Optional upgrades include keyed locks, a security bolt, and a security bar. Multi-point handles are available in satin nickel, black, and white finishes.

SCREEN

Durable extruded aluminum screen frame with adjustable steel rollers and anti-glare fiberglass mesh. Available in white or any of North Star's standard exterior colours.

INTERIOR & EXTERIOR FINISHES

Our advanced Fusion Colour Wrap™ resists chipping and peeling, offering long-lasting colour on all ComfortStar™ doors. Choose from eight UV-resistant exterior laminates that coordinate with our Series 1000 windows.

Interior finishes include realistic woodgrain overlays in walnut, light oak, and kolonial oak. For custom finishing, a stainable and paintable overlay is also available. Espresso, hickory, and midnight black overlays are offered for both interior and matching exterior finishes.

GRILLES

Choose from traditional or contemporary grilles in three sleek profiles: 1/4" flat, 5/8" flat and 3/4" contour. Between-the-glass (BTG) grilles are sealed inside the insulated unit for easy cleaning. A 5/16" narrow grille is also available in white, pewter, and brass.

BLINDS BETWEEN GLASS

Mini-blinds are sealed between two panes of tempered glass, with fingertip controls to raise, lower, or tilt for light and privacy—no cleaning required.

ACCESSORIES

Nailing fins, brickmoulds, drywall or wood returns, couplers, and jamb extensions.

Configurations + Standard Sizing

STANDARD SLIDING PATIO DOOR WIDTHS									
PANEL OPTIONS	2-PANEL			3-PANEL			4-PANEL		
HEIGHT (Inches)	58 ¾	70 ¾	94 ¾	90 ¾	108 ¾	144 ¾	116	140	188
79 ½	•	•	•	•	•	•	•	•	•
With Mini Blinds	•	•	—	•	•	—	•	•	—
With Triple Glazing	•	•	•	•	•	•	•	•	•
82 ½	•	•	•	•	•	•	•	•	•
With Mini Blinds	•	•	—	•	•	—	•	•	—
With Triple Glazing	•	•	•	•	•	•	•	•	•
95 ½	—	•	•	—	•	•	—	•	•
With Triple Glazing	—	•	•	—	•	•	—	•	•

2-PANEL DOOR						
Height	Frame Size		Opening Size			
			With Handle		Handle + Pocket Cover Removed	
	Width	Height	Width	Height	Width	Height
5 ft	58 ¾	79 ½	21 ½	76 ½	25 ¾	76 ¼
6 ft	70 ¾	79 ½	27 ½	76 ½	31 ¾	76 ¼
8 ft	94 ¾	79 ½	39 ½	76 ½	43 ¾	76 ¼

4-PANEL DOOR						
Height	Frame Size		Opening Size			
			With Handle		Handle + Pocket Cover Removed	
	Width	Height	Width	Height	Width	Height
9 ½ ft	116	79 ½	43 ¾	76 ½	52 ¼	76 ¼
11 ½ ft	140	79 ½	55 ¾	76 ½	64 ¼	76 ¼
15 ½ ft	188	79 ½	79 ¾	76 ½	88 ¼	76 ¼



ARCHITECTURAL HANDBOOK

Scan the QR code to access our window, patio door, and entry door Architectural Manuals for technical specifications and installation instructions.



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N5P 3T2



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The strong relationship we have with our various manufacturing partners has helped us maintain our reputation for leadership, innovation and the production of windows and doors of impeccable quality.

