



QUALITY WINDOWS & DOORS. GREAT SERVICE. EXCEPTIONAL VALUE.

northstarwindows.com



LONG POINT, ONTARIO
New Home Construction by Everest Estate Homes



CONFIDENCE IN EVERY PRODUCT. PERFORMANCE IN EVERY CLIMATE.

At North Star Windows & Doors, we believe confidence should come standard. That's why every window and door we make is designed, engineered, and manufactured right here in Canada and built to perform in the same climates we call home.

For over 40 years, we've earned trust by delivering long-lasting performance, dependable quality, and exceptional value season after season.

Our vertically integrated approach allows us to oversee every stage of production, resulting in a streamlined portfolio that delivers superior strength, energy efficiency, and durability.

Dealers, builders, and homeowners choose North Star because we stand behind every window and door, providing protection, performance, and peace of mind for a lifetime.



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northstarwindows.com

CASEMENT + PICTURE WINDOWS
Midnight Black Interior Fusion Colour Wrap™



LONG POINT, ONTARIO
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Casement Window

CASEMENT COMPOSITION

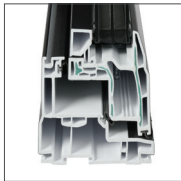
Hinged at the side, casement windows open wide for full ventilation and provide a sleek look with exceptional performance and standard multi-point locking.

CASEMENT FEATURES

- ▶ ULTRASTAR™ Co-Extruded Reinforcement
- ▶ Standard Multi-Point Locking Hardware
- ▶ Design Pressure Rating up to DP70
- ▶ Heavy Duty Anti-Glare EZ-Screen
- ▶ Edgetech S-Class Super Spacer®
- ▶ Fusion Welded Multi-Chamber Frame



Interior View



ULTRASTAR™
Reinforcement



Dual-Pane
Standard



Tri-Pane
Optional



E-Z
Screen

WINDOW MODEL	GLAZING	MINIMUM OVERALL SIZE	MAXIMUM ONE WAY
1171 Casement	Double Glazed	14-3/4" x 17"	Maximum 108 U.I. (W+H) Width cannot be greater than 36" Height can not be greater than 78"
	Triple Glazed	14-3/4" x 17"	Maximum 98 U.I. (W+H) Width cannot be greater than 36" Height can not be greater than 78"



AWNING WINDOW
White Interior



COBOURG, ONTARIO
New Home Construction by EC Design & Build

Awning Window

AWNING COMPOSITION

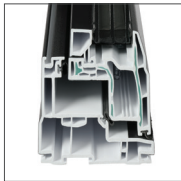
Hinged at the top, awning windows swing outward to allow ventilation even during light rain, combining function with energy efficiency.

AWNING FEATURES

- ▶ ULTRASTAR™ Co-Extruded Reinforcement
- ▶ Standard Multi-Point Locking Hardware > 30"
- ▶ Heavy Duty Anti-Glare EZ-Screen
- ▶ Edgetech S-Class Super Spacer®
- ▶ Fusion Welded Multi-Chamber Frame
- ▶ 4" Sash Limiter Feature Available



Interior View



ULTRASTAR™
Reinforcement



Dual-Pane
Standard



Tri-Pane
Optional



E-Z
Screen

WINDOW MODEL	GLAZING	MINIMUM OVERALL SIZE	MAXIMUM ONE WAY
1173 Awning	Double Glazed	21" x 14-3/4"	Maximum 108 U.I. (W+H) Width cannot be greater than 60" Height can not be greater than 60"
	Triple Glazed	21" x 14-3/4"	Maximum 96 U.I. (W+H) Width cannot be greater than 60" Height can not be greater than 60"





CASEMENT + PICTURE + CASEMENT
Midnight Black Exterior

Project Winsor — EC Design + Build | Stevenson Building Products
Cobourg, Ontario

The Next Generation of Vinyl Windows

Windows made with ULTRASTAR™ are built to perform in every season. Reinforced from within, they're stronger and more stable than traditional vinyl windows. Whether facing intense summer heat or frigid winter cold, ULTRASTAR™ keeps your windows true to form — preventing warping, shrinking, and movement over time. The result is a window that not only looks great, but delivers lasting comfort, energy efficiency, and peace of mind year after year.



QUALITY MATERIALS

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



TRUSTED COVERAGE

Every vinyl window is backed by a transferable Limited Lifetime Warranty, providing peace of mind coverage you can count on.



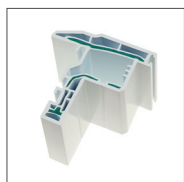
DURABLE LAMINATES

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

THE ULTRASTAR™ REINFORCEMENT.

TEMPERATURE RESISTANCE

With a 55% glass fiber composition, profiles made with ULTRASTAR™ effortlessly resist heat-induced warping, shrinking, and distortion, even at temperatures reaching as high as 82°C (180°F). The result is a stronger, more stable profile that maintains its shape and performance through years of exposure to heat, cold, and environmental stress.



Co-Extruded
Reinforcement



55% Glass
Fiber Content

EXPANSION MEASUREMENT

ULTRASTAR™

0.3

ASTM D4726

THE INDUSTRY STANDARD
FOR ALLOWABLE
SHRINKAGE (2.2)

2.2

0.0 0.2 0.4 0.6 0.8 1.0 1.2 1.4 1.6 1.8 2.0 2.2 2.4



7x
STRONGER THAN
STANDARD SASHES

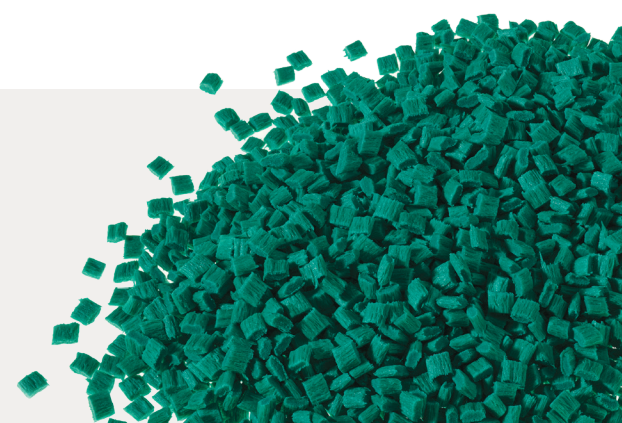


83%
LESS SASH
MOVEMENT

Interior View Cross-Section

BUILT FOR LASTING PERFORMANCE

ULTRASTAR™ reinforced windows are lighter, stronger, and engineered to maintain its shape and performance for a lifetime, ensuring your windows stay true and reliable season after season.



Colours + Hardware

EXTERIOR COLOUR OPTIONS



Midnight Black*



Anthracite



Espresso*



Cocoa



Sable



Hickory*



Sandalwood



Ivory

INTERIOR-ONLY OPTIONS



Paintable
+ Stainable



Light Oak



Kolonial Oak



Walnut

**Available on the interior with matching exterior.*

NESTING CRANK HANDLE

Nesting crank hardware folds neatly into the handle, keeping a low profile that won't interfere with blinds or interior finishes. Designed for casement and awning windows, it delivers smooth, reliable operation with a clean, unobtrusive look.



Black



Brushed Nickel



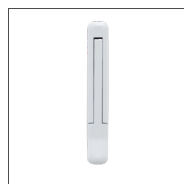
White



Black



Brushed Nickel



White

Design Options

PRIVACY GLASS



Acid Etched



Frosted



Mistlite



Rain

TINTED GLASS

Tinted glass helps reduce glare, block UV rays, and limit heat buildup in sun-exposed areas. LoE-366 takes it further, controlling solar heat gain while maintaining clarity, ideal for south- and west-facing windows.



LoE-366



Bronze Tint



Grey Tint

GRILLE PROFILES



3/4 Contour



5/8 Flat



SDL



1/4 Flat

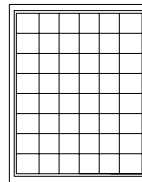


1/4 Flat Brass

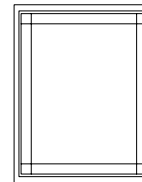


1/4 Flat Pewter

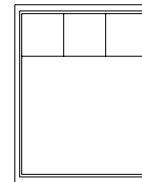
STANDARD PATTERNS



Colonial



Prairie



Muskoka



Built to Meet Commercial Window Standards

Commercial window (CW) ratings are held to significantly higher performance requirements than residential and light commercial (R&LC) testing. ULTRASTAR™-reinforced windows are engineered and tested to meet these stricter standards, including limits on deflection under load, durability during repeated operation, and performance during extreme exposure conditions.

Unlike residential testing, commercial testing evaluates how a window performs not only when closed, but also while fully open, applying loads to hinges, operators, and sash components to ensure long-term reliability.

PRODUCT TYPE	SIZE TESTED	PERFORMANCE GRADE	STRUCTURAL	WATER	AIR
1171 Casement	914 x 1829 (36" x 72")	CW-PG70	3360 Pa (70.18 psf)	720 Pa (15.04 psf)	0.12
1173 Awning	1524 x 1016 (60" x 40")	CW-PG35	1680 Pa (35.09 psf)	720 Pa (15.04 psf)	0.15
		LC-PG45	2160 Pa (45.11 psf)		0.15

All testing was performed by UL Laboratory Canada Inc. under applicable NAFS standards to AAMA/WDMA/CSA 101/I.S.2/A440-22 (NAFS-2022)

Casement + Awning Features

FRAME & SASH

Made with a sophisticated co-extrusion process that blends virgin PVC with 55% fiberglass, the frames and sash feature a multi-chamber design for added strength and energy efficiency. Fusion-welded construction ensures a tight, durable, water- and air-resistant seal, all within a full 3 ¼" frame depth.

INSULATED GLASS

Available in double or triple insulating glass units with Edgetech Super Spacer® for improved thermal performance. Guardian 8071 (hard coat) glass comes standard, with Cardinal LoE³-366® (soft coat) available as an upgrade. Laminated glass and argon gas fills are also offered to enhance comfort, sound control, and overall efficiency.

GLAZING

Glass is securely stabilized using neoprene setting blocks and a silicone toe bead to minimize movement within the sash. Installed from the interior, the insulated glass is sealed against flexible weather stripping, with profiled glazing stops creating a tight, durable barrier against air and water infiltration.

WEATHER STRIPPING

Dual durometer compression gaskets run along the frame perimeter, creating a tight seal against air and water infiltration for enhanced energy efficiency. Around the sash, a water-repellent pile weatherstrip with a rigid fin barrier helps reduce drafts while keeping dust and debris out of the cavity.

HARDWARE

The Roto X-DRIVE hardware system uses high-strength steel components and precision-engineered operators for smooth, reliable performance. It allows the sash to open to near 90° and hold securely in any position, while multipoint locking pulls the sash tight against dual compression gaskets for a consistent air and water seal. Concealed hinges, adjustable lock points, and integrated snubber hardware maintain alignment, compression, and long-term durability, with corrosion-resistant components and standard nesting handles throughout.

EGRESS

Consult local building codes to verify that the window ordered meets or exceeds egress requirements for your area. Special egress hardware is available for casement windows that enable narrow sizes to meet egress codes.

ACCESSORIES

North Star offers a variety of vinyl accessories such as nailing fin, brickmoulds, drywall/wood return, couplers and jamb extensions.

SCREEN

Heavy-duty EZ-Screens are roll-formed from .025" aluminum and fitted with anti-glare fiberglass mesh for clear outward visibility. Spring-loaded corner keys allow for easy removal and installation, with standard frames available in white or black. Laminated screen frames with mitered corners are also available in matching interior and exterior colours.

INTERIOR & EXTERIOR FINISHES

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

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 (GBL)

Windows can be enhanced with grilles between the glass, available in 5/16" narrow, 5/8" flat rectangular, and 3/4" contoured profiles for added dimension. A range of colour combinations including white, pewter, brass, and woodgrain interiors with coloured exteriors, offers flexible design customization.

DIVIDED LITES (SDL)

Classic simulated divided lites (SDL) are available in 7/8" and 2" widths, with grille bars permanently applied to both interior and exterior glass surfaces. Standard SDL is offered without an airspace grille, with an optional 1/4" x 5/16" pewter airspace grille available for double-glazed units.

STANDARDS

North Star windows have been tested by an independent laboratory for air, water, structural and thermal performance requirements.

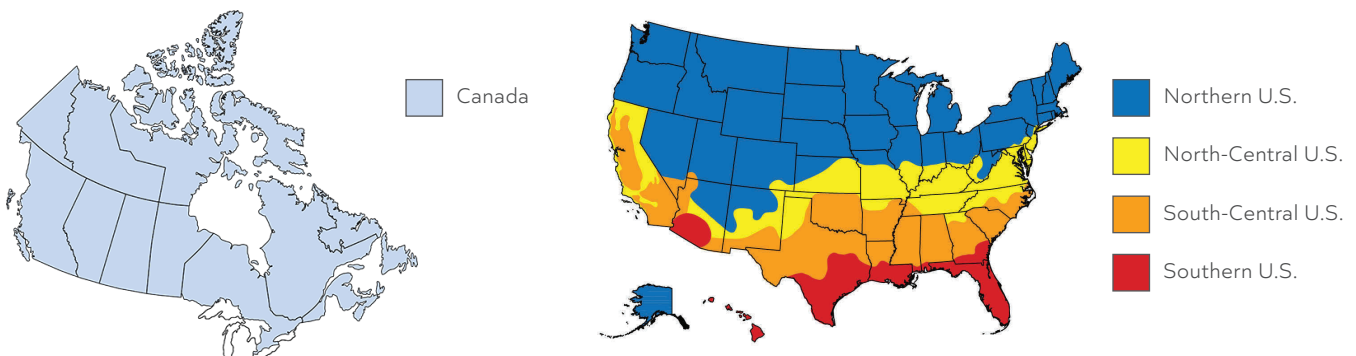
Thermal Performance

1171 CASEMENT

1171 CASEMENT		NO GRIDS										
Product Code	Glazing Layers	U (IMP)	U (M)	SHGC	VT	CR	ES Canada	ES USA			CPD #	
366 - Clear	2	0.25	1.42	0.19	0.43	63	-	-	NC	SC	S	NSM-A-11-00378-00001
Clear - Low E	2	0.27	1.53	0.48	0.53	62	34	-	-	-	-	NSM-A-11-00394-00001
Low E - Low E	2	0.26	1.48	0.43	0.52	63	-	N	-	-	-	NSM-A-11-00395-00001
366 - Clear - Clear	3	0.22	1.25	0.17	0.4	69	-	N	NC	SC	S	NSM-A-11-00382-00001
366 - Clear - Low E	3	0.19	1.08	0.17	0.38	75	26	N	NC	SC	S	NSM-A-11-00400-00001
Clear - Clear - Low E	3	0.23	1.31	0.43	0.49	69	36	N	-	-	-	NSM-A-11-00398-00001
Clear - Low E - Low E	3	0.19	1.08	0.41	0.47	74	40	N	-	-	-	NSM-A-11-00396-00001

1171 CASEMENT		GRIDS										
Product Code	Glazing Layers	U (IMP)	U (M)	SHGC	VT	CR	ES Canada	ES USA			CPD #	
366 - Clear	2	0.25	1.42	0.17	0.39	63	-	-	NC	SC	S	NSM-A-11-00378-00002
Clear - Low E	2	0.27	1.53	0.43	0.48	62	-	-	-	-	-	NSM-A-11-00394-00002
Low E - Low E	2	0.26	1.48	0.39	0.47	63	-	-	-	-	-	NSM-A-11-00395-00002
366 - Clear - Clear	3	0.22	1.25	0.16	0.36	69	-	N	NC	SC	S	NSM-A-11-00383-00001
366 - Clear - Low E	3	0.19	1.08	0.16	0.35	75	25	N	NC	SC	S	NSM-A-11-00401-00001
Clear - Clear - Low E	3	0.23	1.31	0.39	0.44	69	34	N	NC	-	-	NSM-A-11-00399-00001
Clear - Low E - Low E	3	0.2	1.14	0.37	0.43	74	36	N	NC	-	-	NSM-A-11-00397-00001

ENERGY STAR® ZONES



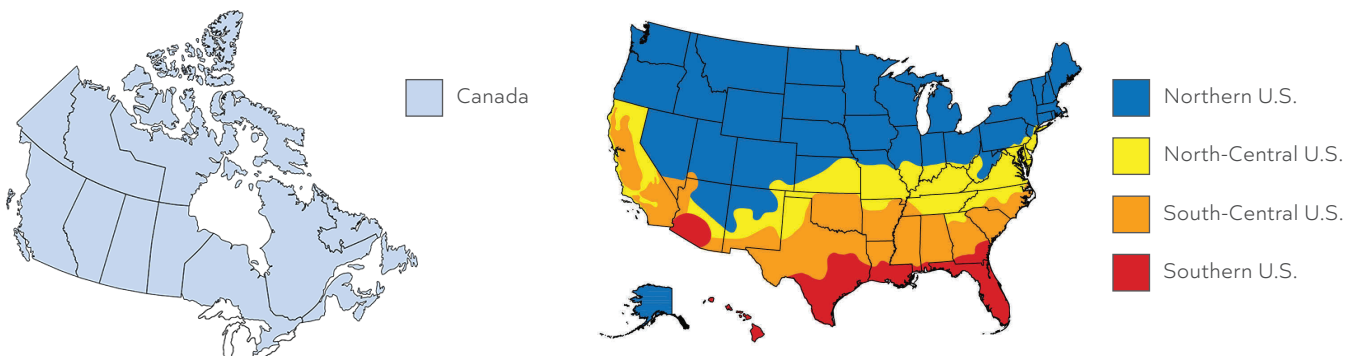
Thermal Performance

1173 AWNING

1173 AWNING		NO GRIDS										
Product Code	Glazing Layers	U (IMP)	U (M)	SHGC	VT	CR	ES Canada	ES USA			CPD #	
366 - Clear	2	0.25	1.42	0.19	0.43	62	-	-	NC	SC	S	NSM-A-12-00382-00001
Clear - Low E	2	0.27	1.53	0.48	0.53	61	34	-	-	-	-	NSM-A-12-00398-00001
Low E - Low E	2	0.26	1.48	0.43	0.52	62	-	N	-	-	-	NSM-A-12-00399-00001
366 - Clear - Clear	3	0.22	1.25	0.17	0.4	70	-	N	NC	SC	S	NSM-A-12-00386-00001
366 - Clear - Low E	3	0.19	1.08	0.17	0.38	76	26	N	NC	SC	S	NSM-A-12-00404-00001
Clear - Clear - Low E	3	0.23	1.31	0.43	0.49	68	36	N	-	-	-	NSM-A-12-00402-00001
Clear - Low E - Low E	3	0.19	1.08	0.41	0.47	74	40	N	-	-	-	NSM-A-12-00400-00001

1173 AWNING		GRIDS										
Product Code	Glazing Layers	U (IMP)	U (M)	SHGC	VT	CR	ES Canada	ES USA			CPD #	
366 - Clear	2	0.25	1.42	0.17	0.39	62	-	-	NC	SC	S	NSM-A-12-00382-00002
Clear - Low E	2	0.27	1.53	0.44	0.48	61	-	-	-	-	-	NSM-A-12-00398-00002
Low E - Low E	2	0.26	1.48	0.39	0.47	62	-	-	-	-	-	NSM-A-12-00399-00002
366 - Clear - Clear	3	0.22	1.25	0.16	0.36	70	-	N	NC	SC	S	NSM-A-12-00387-00001
366 - Clear - Low E	3	0.19	1.08	0.16	0.35	76	25	N	NC	SC	S	NSM-A-12-00405-00001
Clear - Clear - Low E	3	0.23	1.31	0.39	0.44	68	34	N	NC	-	-	NSM-A-12-00403-00001
Clear - Low E - Low E	3	0.2	1.14	0.37	0.43	74	36	N	NC	-	-	NSM-A-12-00401-00001

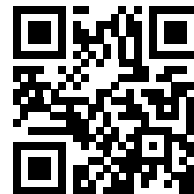
ENERGY STAR® ZONES





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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.

