

PLY GEM — COMFORT SERIES VINYL WINDOWS
MITTEN

Comfort Series Vinyl Windows

SKU: PGC-COMFORT

WARRANTY

Contact Pro Materials for current Ply Gem Comfort Series warranty terms — (416) 833-8900

COLOURS

2 available

The Ply Gem Comfort Series sets the standard for triple-glazed vinyl window performance in Canada. Available through Mitten Building Products distributors and stocked at Pro Materials, the Comfort Series covers every configuration — casement, awning, horizontal slider, single hung, fixed/picture, and specialty shapes including curve-tops and rake windows. Triple-pane argon-filled insulating glass with Eco Gain 180, Eco Shield 270, and Eco Max Shield 366 options delivers ENERGY STAR® qualification across all three Canadian climate zones. U-factors as low as 0.15 on fixed configurations.

Key Features

- Triple-glazed insulating glass — 3/3/3 mm, 1.36 in. total unit, argon fill in both air spaces
- 2
- Best-in-class U-factors: as low as 0.15 (fixed/picture, TG2 Eco Max Shield 366) and 0.18 (slider, TG2 Eco Max Shield 366)
- Non-marking tandem rollers on horizontal sliders — smooth, quiet operation
- Anti-lift sash security on all sliding windows — forced-entry protection
- Multi-chambered vinyl extrusions — engineered for Canada's harsh climate conditions
- Available in White and Beige with in-glass and applied grille options, optional brickmould and screens
- ENERGY STAR® Zones 1
- 3 Canada — all three Canadian climate zones covered with Eco Shield 270 and Eco Max Shield 366 TG2 glass
- Truth Encore® concealed multi-point locking hardware on casement and awning — 11 designer colour options
- Steel-reinforced interlock, pull rail, and frames on all slider types — superior structural integrity
- Tri-Fin weatherstripping on horizontal sliders — prevents drafts, dust, and moisture
- Complete shape library: casement, awning, horizontal slider, single hung, fixed, curve-top, rake, specialty shapes

Available Colours

NEUTRAL

2 colours



White



Beige

Profiles & Specifications

3/4" CONTOUR

3/4" Contour Grille

In-glass grille sealed between the two panes — never needs cleaning. The curved contour profile gives a traditional divided-lite appearance.



Type	In-glass — sealed between panes
Width	3/4 in.
Profile	Contour (curved)

1" CONTOUR

1" Contour Grille

Wider in-glass contour grille for a more substantial traditional look. Sealed between panes — maintenance free.



Type	In-glass — sealed between panes
Width	1 in.
Profile	Contour (curved)

5/16" FLAT

5/16" Flat Grille

Slim in-glass flat grille for a contemporary minimal look. Maximises visible glass area while adding divided-lite definition.



Type	In-glass — sealed between panes
Width	5/16 in.
Profile	Flat

13/16" FLAT

13/16" Flat Grille

Wider in-glass flat grille with a bold, traditional bar width that suits classic architectural styles.



Type	In-glass — sealed between panes
Width	13/16 in.
Profile	Flat

1" FLAT

1" Flat Grille

Widest in-glass flat grille option. Bold grid creates a strong Colonial divided-lite appearance. Sealed — no cleaning required.



Type	In-glass — sealed between panes
Width	1 in.
Profile	Flat

STANDARD

Standard Grille

Applied grille pattern installed on the outer glass surface. Simulates divided-lite appearance with a uniform grid. Available in Standard, Half Standard, Three Over One, Two Over Two, and Two Over One layouts.



Type	Applied — outer glass surface
Variations	Standard · Half Standard · Three Over One · Two Over Two · Two Over One

LADDER

Ladder Grille

Applied grille with vertical bars and horizontal rails at top and bottom — a classic Colonial look. Also available as Perimeter Heritage variation.



Type	Applied — outer glass surface
Variations	Ladder · Perimeter Heritage

DOUBLE LADDER

Double Ladder Grille

Applied grille with two sets of vertical bars creating a more detailed Colonial appearance.



Type

Applied — outer glass surface

HERITAGE

Heritage Grille

Applied Colonial-style grid with even bar spacing across the full pane — complements traditional home styles.



Type

Applied — outer glass surface

Compatible Accessories

Truth Encore® Hardware — White

Truth Encore® casement and awning window hardware in White. Concealed multi-point locking system seals the sash at multiple points simultaneously. Fold-away crank handle keeps the profile unobtrusive when not in use.

Truth Encore® Hardware — Beige

Truth Encore® casement and awning window hardware in Beige. Concealed multi-point locking system with fold-away crank handle to match Beige frames.

Truth Encore® Hardware — Champagne

Truth Encore® casement and awning window hardware in Champagne. Concealed multi-point locking system with fold-away crank handle.

Truth Encore® Hardware — Faux Bronze

Truth Encore® casement and awning window hardware in Faux Bronze. Concealed multi-point locking system with fold-away crank handle.

Truth Encore® Hardware — Chestnut Bronze

Truth Encore® casement and awning window hardware in Chestnut Bronze. Concealed multi-point locking system with fold-away crank handle.

Truth Encore® Hardware — Matte Black

Truth Encore® casement and awning window hardware in Matte Black — a popular contemporary finish. Concealed multi-point locking system with fold-away crank handle.

Truth Encore® Hardware — Brushed Nickel

Truth Encore® casement and awning window hardware in Brushed Nickel. Concealed multi-point locking system with fold-away crank handle.

Truth Encore® Hardware — Brushed Chrome

Truth Encore® casement and awning window hardware in Brushed Chrome. Concealed multi-point locking system with fold-away crank handle.

Truth Encore® Hardware — Western Pewter

Truth Encore® casement and awning window hardware in Western Pewter. Concealed multi-point locking system with fold-away crank handle.

Truth Encore® Hardware — Antique Brass

Truth Encore® casement and awning window hardware in Antique Brass. Concealed multi-point locking system with fold-away crank handle.

Truth Encore® Hardware — Oil Rubbed Bronze

Truth Encore® casement and awning window hardware in Oil Rubbed Bronze. Concealed multi-point locking system with fold-away crank handle.

Multi-Point Lock

Concealed multi-point locking system for Comfort Series casement windows. Locks the sash simultaneously at multiple points around the frame perimeter for maximum security and a tight seal against weatherstripping.

Sash Lock

Centre-mounted knife latch lock for Comfort Series horizontal slider and single hung windows. Works in conjunction with the anti-lift sash security feature to secure the sliding sash in the closed position.

Installation Guide

- 1 **GLASS:** Triple-glazed units use a 3/3/3 mm glass configuration with a total IG unit thickness (OD) of 1.36 in. Both air spaces are argon-filled. Interior glazing is available for mulled configurations.
- 2 **CASEMENT OPERATION:** Open the window to its full open position to access both interior and exterior glass surfaces for cleaning from inside. The sash will lock even if not fully closed — close snugly and engage locks; the multi-point locks will pull the sash tighter against the weatherstripping. On casements with two locks, always engage the bottom lock before the top lock.
- 3 **HARDWARE LUBRICATION:** Apply a light coating of silicone lubricant on track and pivot points annually. Avoid petroleum-based lubricants (oil, petroleum jelly) — they stay wet and attract dirt. Areas with coastal or high-dust environments require more frequent cleaning and lubrication.
- 4 **HORIZONTAL SLIDER ROLLERS:** Non-marking tandem rollers (two sets) provide smooth, quiet operation. Steel reinforcement on the pull rail and interlock adds structural integrity. Anti-lift sash security feature prevents the sash from being lifted out.
- 5 **SCREENS:** Two screen retention types are used — pull-tabs (held by leaf springs) and plungers. For pull-tab screens: hold both tabs and pull gently, then tilt toward you. For plunger screens: pull plungers on one side, then the opposite side, and tilt. Screens are for insect protection only — not for safety protection.
- 6 **CLEANING GLASS:** Use mild soap and water with a soft cloth. For exterior glass on casement windows, open sash to full open position and clean from inside. Refer to the Ply Gem Comfort Series Cleaning Procedures guide for full instructions.



MITTEN

Ready to order?

Submit your spec list and we'll respond with pricing and availability - usually within one business day.

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