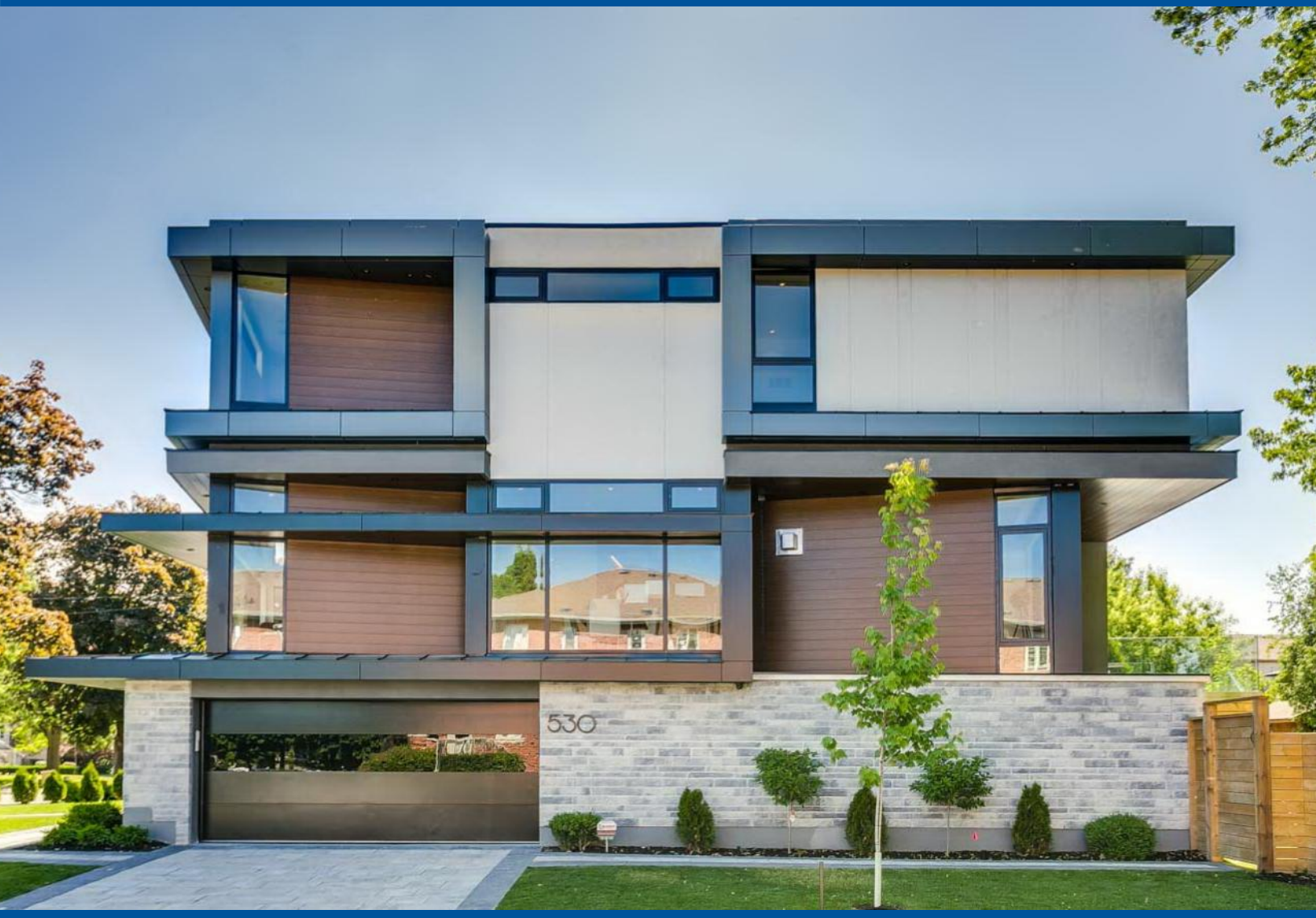
INLINE
FIBERGLASS

FIBERGLASS WINDOWS & DOORS



"The Most Trusted Name in Fiberglass"™

www.inlinefiberglass.com

INLINE
FIBERGLASS

As acknowledged throughout the world as an industry leader, Inline Fiberglass continues to strive in producing highest quality and innovative fiberglass windows and doors that change the face of the fenestration market.

Over the past 30 years, we have proudly accomplished this through innovation and dedication of our entire team.

INLINE
FIBERGLASS

Why Fiberglass?

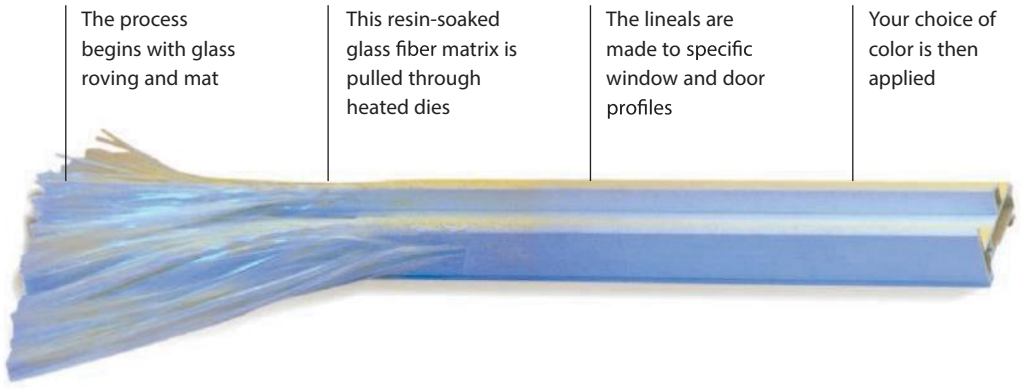
Pultruded fiberglass is an engineered material that is created through a process where strands of glass and glass matting are pulled through a heated die. The glass is bonded together with a matrix of "heat setting" resins as it passes through the die at extremely high temperatures. The resulting lineals (customized to specific window component requirements) are cut to length.

Pultruded fiberglass lineasls have a finish topcoat applied "in-line" during the pultrusion process or "off-line" at a later stage to suit the color/finish required.

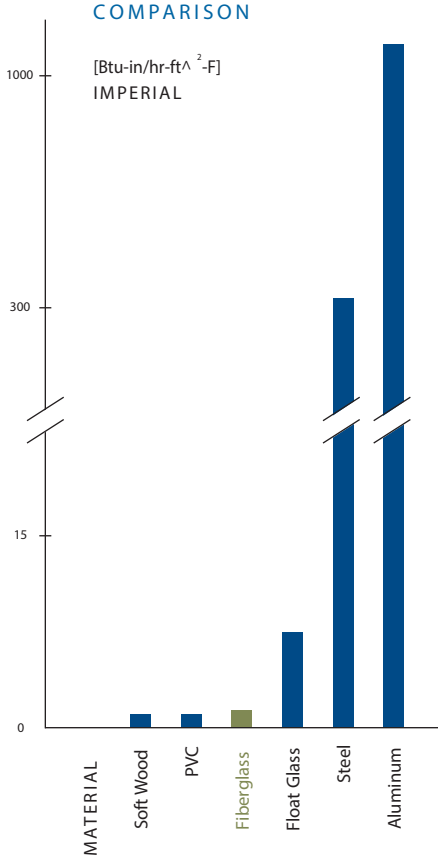
Consider the important factors and compare the advantages of Pultruded Fiberglass:

STABILITY – **Fiberglass provides an extremely low rate of expansion/contraction in the** face of heat or cold. It expands and contracts an incredible 800% less than vinyl.

CONDUCTIVITY – Fiberglass combines strength with very low levels of conductivity, without adding thermal breaks. Fiberglass is an amazing 500 times less conductive than aluminum and FG frames and sash are also less conductive than vinyl due to reduced mass.



CONDUCTIVITY COMPARISON



STRENGTH – a well engineered FG window delivers vastly superior strength characteristics when compared to other windows like PVC. FG provides 8 times greater sheer strength when compared to PVC.

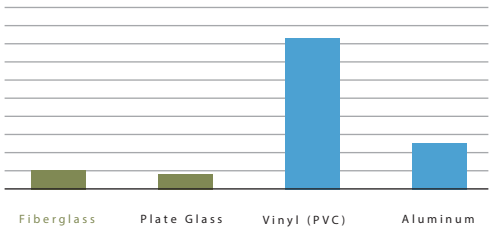
LOW MAINTENANCE – FG is the most stable material which provides an ideal base for a full range of finishes, ensuring an unbelievably durable window. This material is so tough that it will withstand extremes from Arctic cold to blazing desert heat or the rugged seacoast!

ENVIRONMENTALLY FRIENDLY – FG not only features the lowest embodied energy (low energy consumption in lineal production) when compared to other common window frame materials but also provides the longest life expectancy. This has led experts to recognize FG as the most environmentally friendly window product.

NON-CORRODING – FG material is used in boats and bridge structures which face punishing loads and stresses as well as corrosive materials such as salt water. FG frames provide superior life and durability as compared to vinyl and aluminum in corrosive/coastal environments.

DURABILITY– In the latest **Life cycle assessment of windows for the North American residential market, the findings stated Fiberglass windows have a 38% longer useful life expectancy than vinyl. The comparison used a Inline fiberglass window. Other fiberglass companies refer to the results, though should have their products tested before making the same claim.

Chart shows comparative expansion & contraction rates of materials as compared to glass



Expansion values in In/In/°F

Values shown are accepted industry values

325 SERIES

Casement, Awning and Fixed Series

THE ULTIMATE IN BEAUTY AND PERFORMANCE

Casement/Awning Window Series are the most elegant and functional window system available. They offer an unobstructed view and their smooth, elegant sight lines blend perfectly with the surrounding casement. In terms of functionality, their operating performance is second to none.

Casement/Awning Series offers a choice in fixed/operable combinations that will optimize sight lines while maintaining architectural symmetry. (Note: This can be especially important when considering the effects of grille detailing.)

325 SERIES

Casement, Awning and Fixed Series

INLINE FIBERGLASS

CASEMENT

- Sash opens to 90 degrees, allowing access from interior for ease of cleaning.
- Tight air and water seal with compression lock against durable, double weatherseals.
- Excellent hardware, locking system and material design results in F-2 security rating (CSA standards).

AWNING

- Keeps the rain out while allowing fresh air in.
- Folding or small roto handles allow for less obtrusive hardware, allowing blinds to pass without interference.
- Material strength and frame/sash design allow creation of large operable units.

LOW PROFILE FIXED

- Narrow frame is designed to maximize glass area for optimal viewing, light and passive solar.
- Available with High performance glass options in low E and or Heat Mirror.
- Tough, tight corners with patented shearblock assembly, silicone sealed and mechanically fastened to guarantee a true fit.

HIGH PROFILE FIXED

- Wide frame designed to elegantly match site lines of operable windows.
- Superior design detail places the plane of the glass at the same point as casement/awning to create more attractive elevations/exterior appearance.
- Integral window reduces air/water over combination units.

800, 850 & 900 SERIES

Slider, Single and Double Hung Tilt

TODAY'S MOST FUNCTIONAL AND EFFICIENT WINDOWS

Fiberglass sliding windows are the most sought after traditional window systems. Their design allows for opening both the top and the bottom sash, facilitating controlled ventilation from any height in the room.

Fiberglass sliding windows are designed for strength, minimum thermal transfer and optimum viewing area since Fiberglass profiles are engineered specifically for use in windows. That's one difference.

Another is the magic of fiberglass combined with Fiberglass highly engineered, tubular profile windows. Together this means each Fiberglass Inline sliding windows have built-in strength that lends it features and advantages not possible with other materials.

800, 850 & 900 SERIES

Slider, Single and Double Hung Tilt

INLINE FIBERGLASS

DOUBLE HUNG TILT

- Tubular pultruded fiberglass frame creates extremely strong side jamb for greater rigidity and excellent contact with weatherseals.
- Unique double weatherseal including "compression style" system (possible only with rigid fiberglass jambs) results in superior tested weathertightness.
- Strength of fiberglass frame/sash design facilitates very large "magnum style" opening units.

SINGLE HUNG TILT

- Lift hardware designed for easy, long life operation.
- Half screen creates more dynamic appearance of decorative grilles in the upper sash.
- Superior value product with excellent performance – weatherseal, structural, energy efficiency, low maintenance, design flexibility.

IG SIDE SLIDER

- Strength of fiberglass frame/sash design makes possible very large "magnum style" sliding windows.
- Combine the ultimate frame with high performance low E or superior Heat Mirror for unsurpassed energy efficiency.
- Wide range of grille choices to select from.

600 SERIES

Sliding Doors

EXTRAORDINARY SLIDING WINDOW WALLS!

It only makes sense that our fine tuned skills are most obvious in defined applications. This amazing selection of “sliding window walls” was designed by engineers with extensive experience and love for designing sliding doors. Combine this dedication with superb material and you will experience fabulous views combined with the inventive weatherseal systems and superb ease of operation.

Finely crafted Inline Sliding doors feature “built-in” details with all of the desired performance advantages.

The pultruded fiberglass frame and design allow exceptional products to be created including 8 foot tall bi-parting doors with 16 foot width, for over 7 feet of venting area (Ask about over-size custom sizes also). Add sidelites or transoms above to create walls filled with luminance and ventilation.

600 SERIES

Sliding Doors

INLINE FIBERGLASS

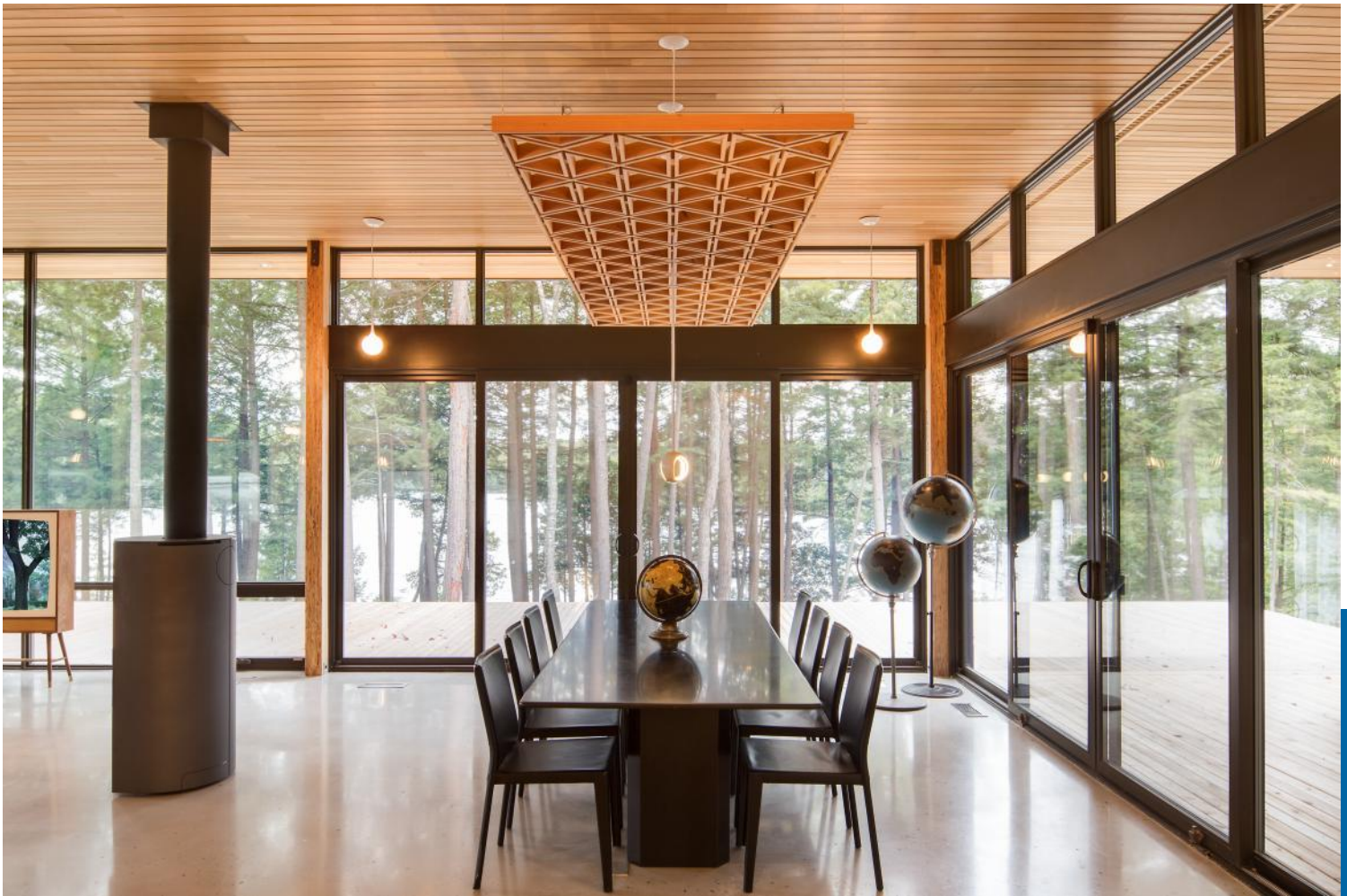
600 SERIES

PATIO DOORS

- Pultruded fiberglass creates exceptional strength and stability providing a wide range of sizes and combinations of sliding doors (custom sizes over 8 feet tall and over 16 feet wide available upon request), transoms and sidelites.
- Customize interior/exterior finishes and hardware styles to suit project requirements.
- For unsurpassed energy savings, incorporate Fiberglass the ultimate in frame performance, with the super efficiency of low E or the ultra of Heat Mirror™ (use it to gather solar warmth or block unwanted heat build up).

Security is another key performance feature. The locking mechanism, anchored to the side profile (male) is embedded in the keeper (female). This results in enhanced security.

Add the convenient foot lock (deadbolt) for enhanced security and choice of positions in vent or night lock.



300 SERIES

TILT ‘N TURN

ULTIMATE FLEXIBILITY AND AIRFLOW

Tilt ‘N Turn windows and doors are becoming an increasingly popular alternative to the traditional casement windows or doors. As a design element, they provide large operable units to create more design flexibility combined with unique venting alternatives in an extremely wide range of sizes. Advanced hardware enhances the appeal of this Euro-style window with superior operation and architectural characteristics.

Unique design and hardware allow Fiberglass Tilt ‘N Turn windows and doors to open inwards in two different positions. A simple turn of the handle allows the window – including the very large operable units – to open fully to the interior, enabling the exterior pane of glass to be easily cleaned from the comfort of a room. This opening action can also be an asset in case of emergency to provide emergency egress.

300 SERIES

TILT ‘N TURN

INLINE FIBERGLASS

TILT ’N TURN WINDOWS

- Optimal use of fiberglass creates high performance windows available in a large range of sizes.
- Superior weatherseal and venting performance created by the hinging action.
- Ideal for commercial or residential applications, new construction or remodel.

TILT ’N TURN DOORS

- Wide range of units with single or dual operators including availability of full width open span.
- Excellent weather seal with positive compression on ALL FOUR sides.
- Exquisite selection of hardware styles and finishes to suit decor.

400 SERIES

Contemporary

Inline's 400 series Contemporary window combine the strength and efficiency of fiberglass frame construction in a narrow sight line application that enables large multi-unit and floor to ceiling assembly design opportunities. Any of Inline's operable windows can be inserted within the 400 series Contemporary system resulting in unlimited design freedom. All of this can be achieved with narrow and uniform sightlines across the entire assembly without the need of third party posts, 'wider' mullion sections, or expansion joints. The 400 series Contemporary windows system is the pinnacle of modern fenestration which combines the elegance of a simple and uniform aesthetic along with the flexibility and performance capable of meeting a wide variety of design goals.

400 SERIES

Contemporary

INLINE FIBERGLASS

- 4" frame available in full range of configurations including T-mullion or strip style assembly.
- STRONG, Low conductive material creates superior thermal characteristics, further enhanced when combined with high performance glazing options.
- FULL range of finish choices including 5 standard colors as well as custom colors suitable for split finish (interior or exterior) combinations.

SPECIALTY

Bays / Bows and Custom Style

INLINE FIBERGLASS

BAYS / BOWS AND CUSTOM STYLE

Custom size bay or bow windows to fit your remodel or new construction needs. Combine any one of the groupings of products; operating casements or double/single hung tilt windows with fixed (matching high profile or maximum view low profile) windows to create gentle curves or a sharp box bay. This can provide an expanded walkout bay for a special view or pleasant reading spot (head and seat available). Convert a straight window to a dramatic bay or bow in consultation with your expert contractor.

- Available in wide range of configurations including 3, 4 or 5 lite bow windows, ranging from 34 to 90 degree bay windows, with or without head and/or seat.
- Available in a full range of custom sizes to complement your design.
- Add solid oak or pine seat and jambs to add the extraordinary beauty of wood.

THINKING GREEN

INLINE FIBERGLASS

CHMC's HEALTHY HOUSE

Inline Fiberglass Windows were carefully selected for Canada's Healthy House.

What we do to the environment, we do to ourselves. At Inline Fiberglass, we believe constructing buildings in ways that protect the environment and safeguard the health of those that use them is not just good business sense, it is common sense.

That's why we are happy to see the green building sector flourishing. Every day, more and more architects, contractors, owners and investors are specifying environmentally friendly building products and practices. They know that building green impacts more than the environment and public health; it means lower operating costs, greater marketability and increased productivity.

The U.S. Green Building Council's LEED® (Leadership in Energy and Environmental Design) Green Building Rating System™ is an important factor in this emerging environmental awareness. Whether pertaining to new construction (LEED-NC), existing buildings (LEED-EB) or homes (LEED-H), LEED certification recognizes projects that meet stringent standards of environmental and public health excellence. While individual building components themselves are not certified, they can contribute to the points awarded to a project as a whole.

With flexible designs and thousands of customization options, Inline's long-lasting and energy-efficient windows and doors can be an integral part of your project's LEED certification. That's why Inline was the first company chosen to complete a LEED Platinum Certified Project. In 2007, our window system was also the only window to be name to the Top 10 Green Building Products List.

At Inline, our mission is dedicated to producing energy efficient, quality products that make a better, greener world.

BUILD GREEN PROGRAM

As seen on CBC program "Build Green" - presented by David Suzuki

LEED® PLATINUM

EVERGREEN BRICK WORKS - Toronto, ON

Architect:
Diamond and Schmitt Architects Inc.
Halsall Associates Ltd.
du Toit Allsopp Hillier /du Toit Architects Ltd.

COOPÉRATIVE D'HABITATION BENNY FARM - Montreal, QC

Architect: **L'OEUF ARCHITECTS**

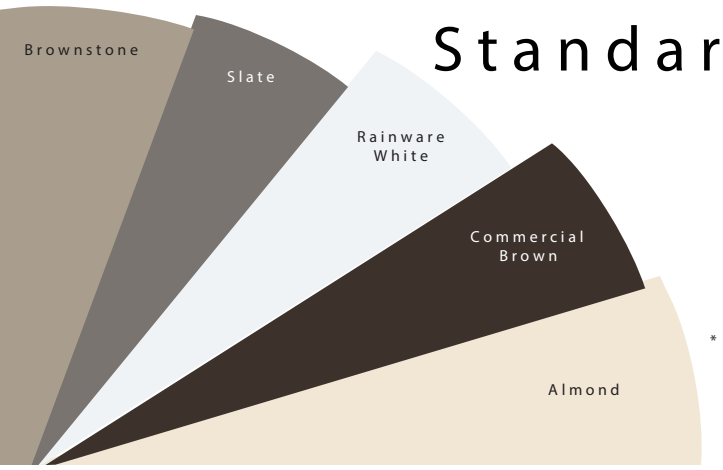
WILSON HOUSE - Mono Mills, ON

Artchitect: **Martin Liefhebber**

Options

Color Options

Standard

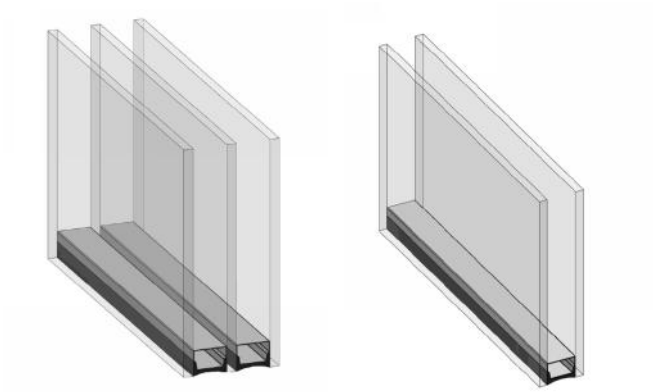


Optional:
Inside/Out

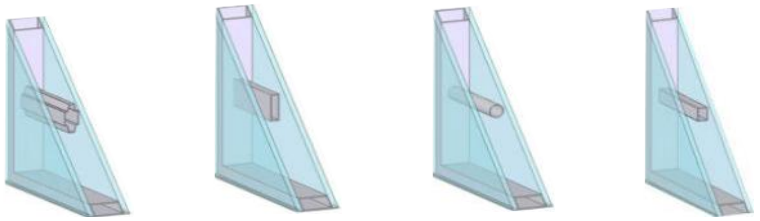
* Colors are representative only.
Call factory for colour samples.

Custom

Glass Options



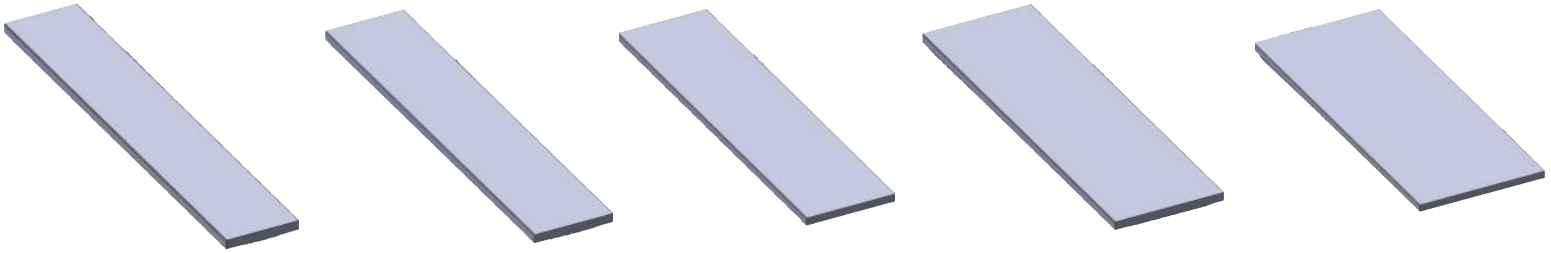
Grilles Options



Georgian | Flat | Pencil | Square Pencil

SDL's

1004 ALUM | 1005 ALUM | 1009 ALUM | 1008 ALUM | 1006 ALUM



7/8" FLAT | 1" FLAT | 1 1/4" FLAT | 1 1/2" FLAT | 2" FLAT

Options

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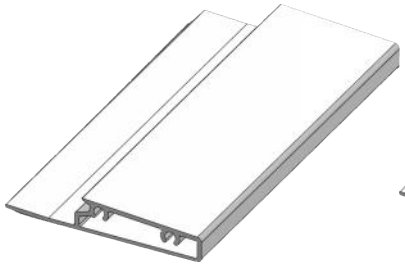
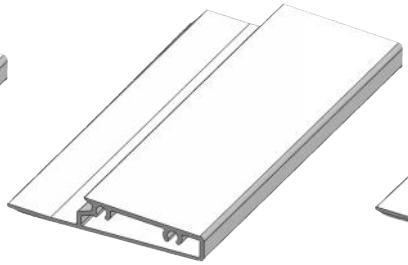
Nailing Fin , Extenders and Brickmolds



1.25″



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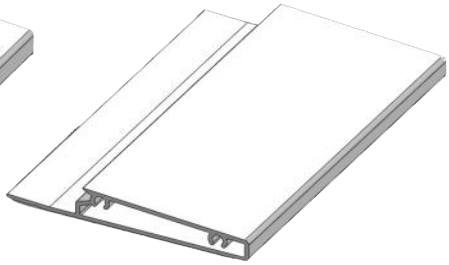
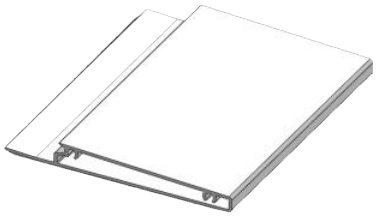


2.25″



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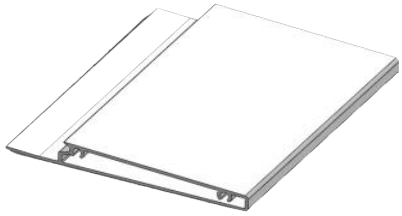

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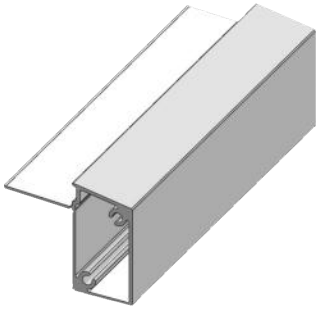
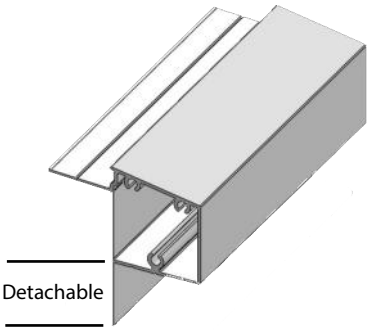


BM 110



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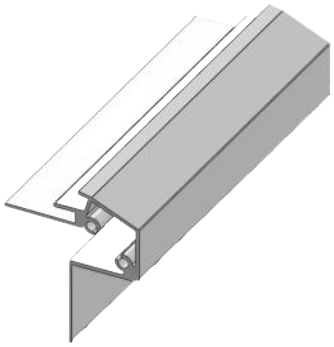
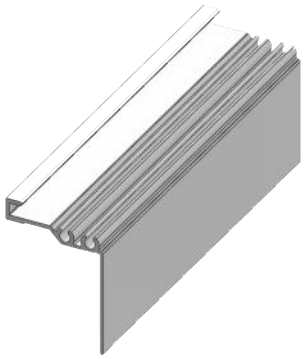


BM 112



Nailing Fin

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THE INLINE DIFFERENCE

In the past 30 years Inline Fiberglass has perfected and patented the art of producing fiberglass lineals. After all, we design and build the pultrusion equipment we use exclusively for lineal production. Our manufacturing process is completely vertically integrated, starting with our engineering and die-making department, right through to fabrication, finish and shipping. We have developed a product with a high glass-to-resin content that means our product is stronger and more durable. Through painstaking practice we have refined the pultrusion process so that we can produce ultra thin, attractive profiles to complement any decor, and offer a larger viewing area.

Because our business is making window systems – from the material on out – we stand behind our products unconditionally.

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