



CONTENTS

ENER-SMART 7000	4
ENER-SMART 3500	8
SLIDING PATIO DOORS	10
VINYL WINDOW OPTIONS	
Colours	11
IGU Grilles	12
Simulated Divided Lites	13
Brickmould / Exterior Options	14
Jamb Extensions / Interior Options	17
Remodeling Options	18
Insulating Glass Options	20
ENERGY STAR®	21
WARRANTY SUMMARY	22





A TRADITION OF
EXCELLENCE FOR
OVER 40 YEARS.

When remodeling, renovating, or building your new dream home, we realize that you want style combined with energy efficiency and functionality. Vinyl windows provide long lasting durability, low maintenance and the comfort you want in any weather.

JELD-WEN® is dedicated to providing the most reliable window and door products available. The Willmar® Collection offers an exceptional series of products integrating beauty with technical superiority, featuring an emphasis on quality that is consistent in every detail.

Eye-catching, energy efficient, secure and easy to care for, JELD-WEN Willmar Collection windows and doors have been created in response to the needs of busy people — and designed to enhance the visual presentation and value of your home.

Reliability for real life®. ■



CASEMENT— opening wide and outward like a door, these windows provide good air circulation.

AWNING — opens from the bottom using a top hinge, allowing air movement in any kind of weather — including rain.

FIXED — matches the appearance and glass sight line of casement and awning windows.

PICTURE — offers a clean style option that opens a room to a perfect, unobstructed view.

SPECIALTY — accommodating almost any design imaginable — these windows can create a sense of style in any room.



The JELD-WEN Willmar Collection's vinyl Ener-Smart 7000 (E57000) line offers ample ability to customize your windows to suit your new construction or remodeling projects.

Thoughtful design options, including various brickmould trims and simulated divided lites, provide a more traditional appearance not commonly found in vinyl windows. While generous colour choices ranging from subdued earth tones to vibrant architectural hues will complement your homes' exterior.

To help out with your interior décor theme we offer factory applied jamb extensions in low maintenance vinyl or the warmth of clear Pacific Coast Hemlock.

Explore your options — we know you'll be pleasantly surprised. ■

THE E57000 LINE OFFERS INDUSTRY LEADING STANDARD FEATURES AND UNPRECEDENTED ACCESSORY OPTIONS



ENER-SMART 7000

BAY AND BOW —
using combinations of fixed and casement units you can make a room appear larger, allowing for a comfortable sitting space or a feature window for plants.



ES7000
Vinyl Casement
and Awning
Windows

INSPIRED BY THE REEMERGENCE OF CRAFTSMAN STYLE ARCHITECTURE AND TRADITIONAL WINDOW DETAILS.

The Truth® Encore® operator provides the most attractive, easiest operating and highest performing hardware, allowing for years of smooth, carefree use. The hardware is sealed to the vinyl frame to minimize air leakage and infiltration. This hardware is standard for all ES7000 casement and awning windows. ■

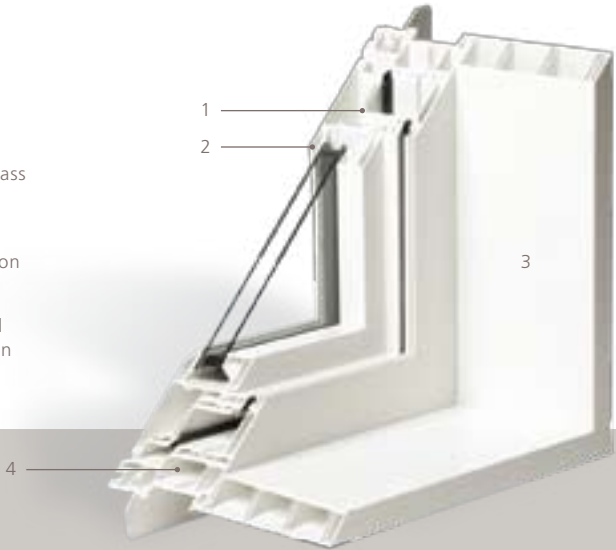


Neatly tucks away so as not to interfere with blinds and drapery.



The smart full flip handle provides maximum leverage.

1. Sash accepts dualpane and tripane glass
2. Silicone sealant bonds the glass unit to the sash, providing a water tight seal
3. Factory applied jamb extension up to 12 1/2"
4. Full 3 1/4", multi-chambered frame with integral nailing fin





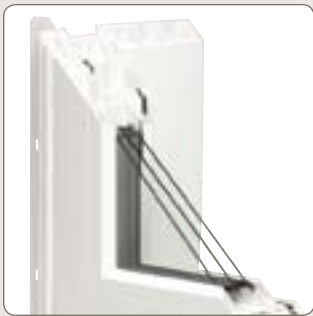
1



2



3



4

1. The Truth Encore hardware effortlessly pushes the sash out and pulls it into place with its dual-arm assembly. This hardware allows for larger casement windows — up to 36" wide x 72" tall — for greater design versatility.
2. Our multi-point lock is standard on all casement windows. It securely locks the window in one, two or three points, depending on the windows height. This stylish handle complements the Encore® operating handle.
3. Particularly important for taller casements, the adjustable, all metal sash snubber ensures the sash tightly seals against the frame. It is also concealed (not exposed to the exterior) to maintain the window's appearance.
4. Edgetech Super Spacer® offers incredible thermal efficiency, ensuring heat loss is minimized at the glass edge. That means it keeps you more comfortable, and allows for more comfortable humidity levels with reduced worry of condensation.



Casement and Awning



Fixed



Picture and Specialty

The operating, fixed, picture and specialty windows have a complementary look and have been designed with concealed draining holes, eliminating the need for unsightly exterior drain caps, allowing for a traditional window appearance.





SPECIALTY —
personally designed custom windows.
Your imagination and our technology
working together.

1. Fully weatherstripped sash provides a tight seal
2. Full 3 1/4" multi-chambered frame with integral nailing fin
3. Optional jamb extension available in vinyl or Pacific Coast Hemlock (shown)
4. Edgetech Super Spacer reduces condensation and improves comfort

SINGLE HUNG —
features a bottom sash
which slides up smoothly
for complete control
of air movement.

SLIDER —
combines long lasting
durability with clean
lines and good looks.



The JELD-WEN Willmar Collection Ener-Smart 3500 (ES3500) line of windows provides you with an attractive, affordable, and reliable line of choices that will stand up in the face of harsh climates.

JELD-WEN has put comfort and value in full view with industry leading energy efficient technology and construction, a wide variety of insulating glass and design options, and a range of styles from which to choose. ■





PICTURE —
providing maximum glass
for enhanced view and light.



WEN-LOCK™

The WEN-Lock is our exclusive, easy to engage automatic locking system which is optional for the ES3500 vinyl single hung and slider windows.

It features a slim profile, and has passed all forced entry resistance tests.



Visible latch indicator (Locked)



Visible latch indicator (Unlocked)

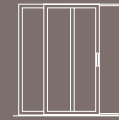


DESIGN AND CONSTRUCTION

Our ES3500 vinyl sliding windows feature a variety of elements designed to increase thermal efficiency and reduce your heating and cooling costs, including: JELD-WEN exclusive multi-chambered design; full-perimeter, high quality weatherstripping and fusion-welding on the frame corners to create the tightest seal possible, while also improving overall structural performance; energy efficient weatherstripping using multiple contact points to effectively block cold air; and an integral nailing fin for extra protection against air infiltration (and to provide convenient installation).



SLIDING PATIO DOORS



Designed to operate smoothly, one panel glides horizontally past a stationary panel along a track. The fusion welded 4 5/8" multi-cavity frame features continuous weatherstripping and a continuous nailing fin for easy installation.

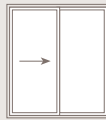
Our sliding patio doors are available in 5', 6' and 8' widths by 80" tall, making them ideal for remodeling or new home construction projects. ■



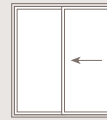
PATIO DOORS — opening onto a patio or deck, they provide extra light and save space since they slide from side to side.

Standard dual point lock, white handle, and sliding screen with nylon rollers.

VINYL SLIDING PATIO DOOR

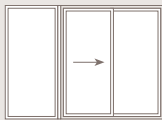


Operating / Stationary

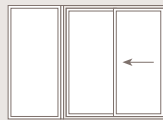


Stationary / Operating

VINYL SLIDING PATIO DOOR & SIDELITE



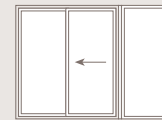
Sidelite / Operating / Stationary



Sidelite / Stationary / Operating



Operating / Stationary / Sidelite



Stationary / Operating / Sidelite

VINYL SLIDING PATIO DOOR & TRANSOM



Operating / Stationary



Stationary / Operating

VINYL WINDOW OPTIONS

The Willmar Collection vinyl window lines offer unprecedented accessory options, designed to meet the demands of both the renovation and new home builder markets.

SMART WINDOW PLANNING

Consider using more decorative options in the front of your home or on different elevations, a term known as “value engineering” — providing a way for you to focus the more valuable design elements on the front of your home creating more curb appeal, and use more economical window options in the back or on higher elevations.

Some examples include using 3 1/2" brickmould or an exciting exterior colour on the front elevation only, or using simulated divided lites in a casement window to create the appearance of a traditional double hung window. ■

COLOURS

Choose from a generous assortment of traditional earth tones and exciting architectural colours.

We offer two solid window colours (a solid colour Desert Sand as an option), or you can choose from 10 full exterior and brickmould colour options.

Solid Colour



Full Exterior Colour



SOLID COLOURS



White



Desert Sand

Variances in photography and printing may cause colours shown in this catalogue to vary from the actual finish.

FULL EXTERIOR AND BRICKMOULD COLOURS Full exterior colours available on E57000 windows only.



Linen



Ivory



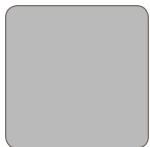
Desert Sand



Brown



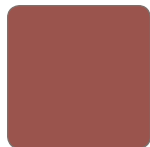
Slate



Mist Grey



Blue



Red



Ivy

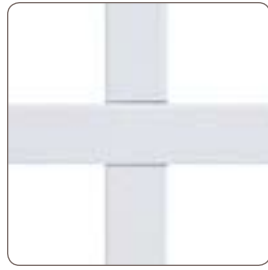


Green

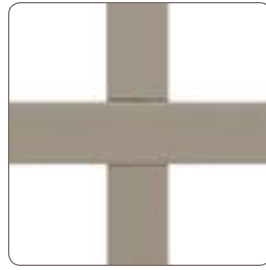
COLOURS



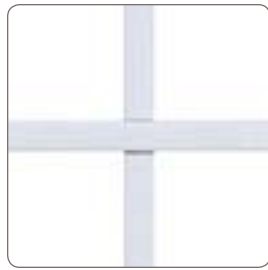
Brickmould Colour



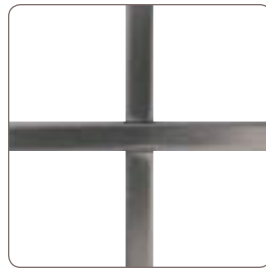
White (5/8")



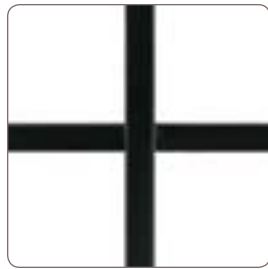
Desert Sand (5/8")



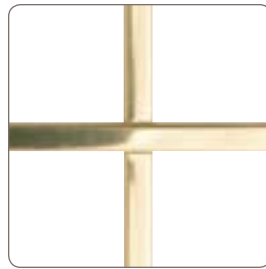
White (5/16")



Pewter (5/16")



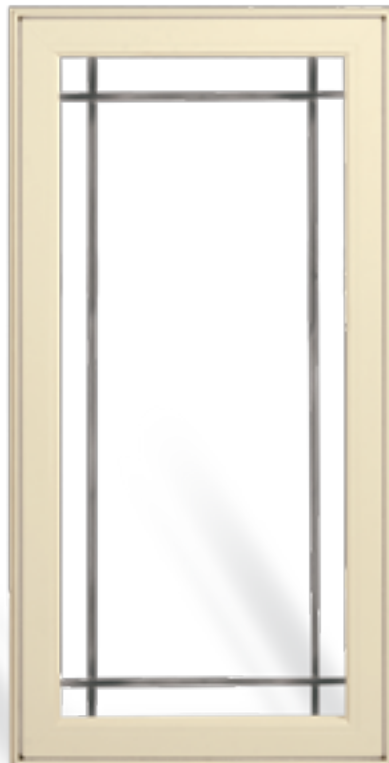
Black (5/16")



Brass (5/16")

IGU GRILLES

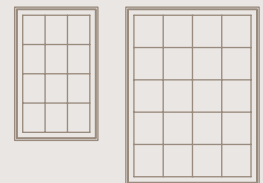
Insulating Glass Unit (IGU) Grilles are an aesthetic feature that provide a luxury appearance through various design patterns placed within the glass, making them an attractive and low maintenance decorative option. IGU Grilles are available in several styles including narrow grilles in White, Pewter, Black and Brass, and wide grilles in White and Desert Sand. Patterns available include standard Rectangular, Prairie and Transom, or a custom pattern of your choice.



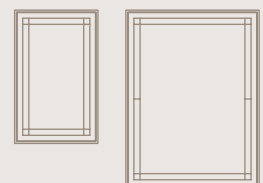
Full exterior Ivory with Prairie pattern Pewter grilles.

STANDARD PATTERNS:

Rectangular



Prairie



Windows taller or wider than 56" receive an additional grille bar.

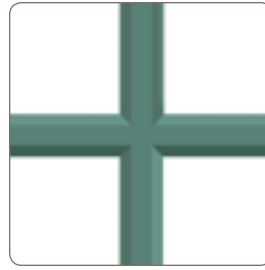
VINYL WINDOW OPTIONS

SIMULATED DIVIDED LITES (SDL)

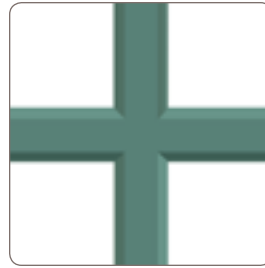
Simulated Divided Lites provide a permanent added design feature to the inside and outside of your windows. These lites show the same putty bead profile as the window sash to create the appearance of traditional window lites, and are available in four widths so you can mix and match on the same window. An optional internal shadow bar completes the authentic look.



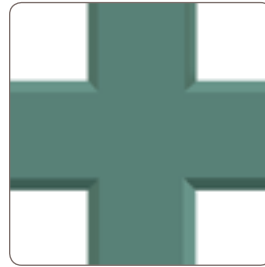
SDL available on ES7000 windows only.



7/8"



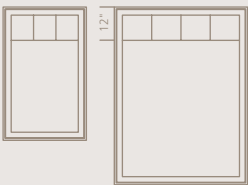
1 1/8"



2 1/4"

Choose a standard pattern or design your own custom grille pattern.

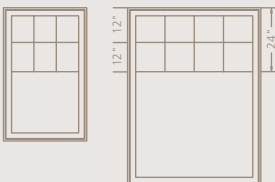
Transom 3-1



Transom 4-1



Transom 3-2



Transom 4-2



IGU GRILLES / SIMULATED DIVIDED LITES



No Brickmould

BRICKMOULD EXTERIOR OPTIONS

Brickmould provides traditional wood window style and the finishing touch to the exterior of your home by framing the outside of your window. All our brickmoulds have a snap off/on cap to simplify the window installation and are also available as applied four sides (no sill nosing).



1 5/8" Brickmould with sill nosing



2" Brickmould with sill nosing



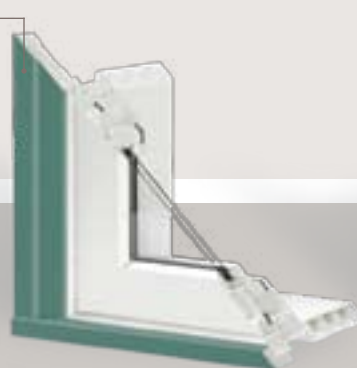
3 1/2" Brickmould with sill nosing

1 5/8" AND 2" BRICKMOULD WITH SILL NOSING

A traditional exterior trim that replicates typical wood window details. Ideal for a full window replacement as these brickmoulds are the typical wood brickmould sizes. Our windows can be ordered to fit the same outside measurement of your existing windows, eliminating the need to replace your exterior finish.

3 1/2" BRICKMOULD WITH SILL NOSING

A new, wider brickmould trim detail that complements the reemergence of Craftsman style architecture. The design also incorporates a channel to accept 3/4" siding material.



VINYL WINDOW OPTIONS

1 1/4" J-TRIM

A neat trim detail not only lends a wider appearance to the window, but provides a handy channel for exterior siding.



3/4" Channel for Siding

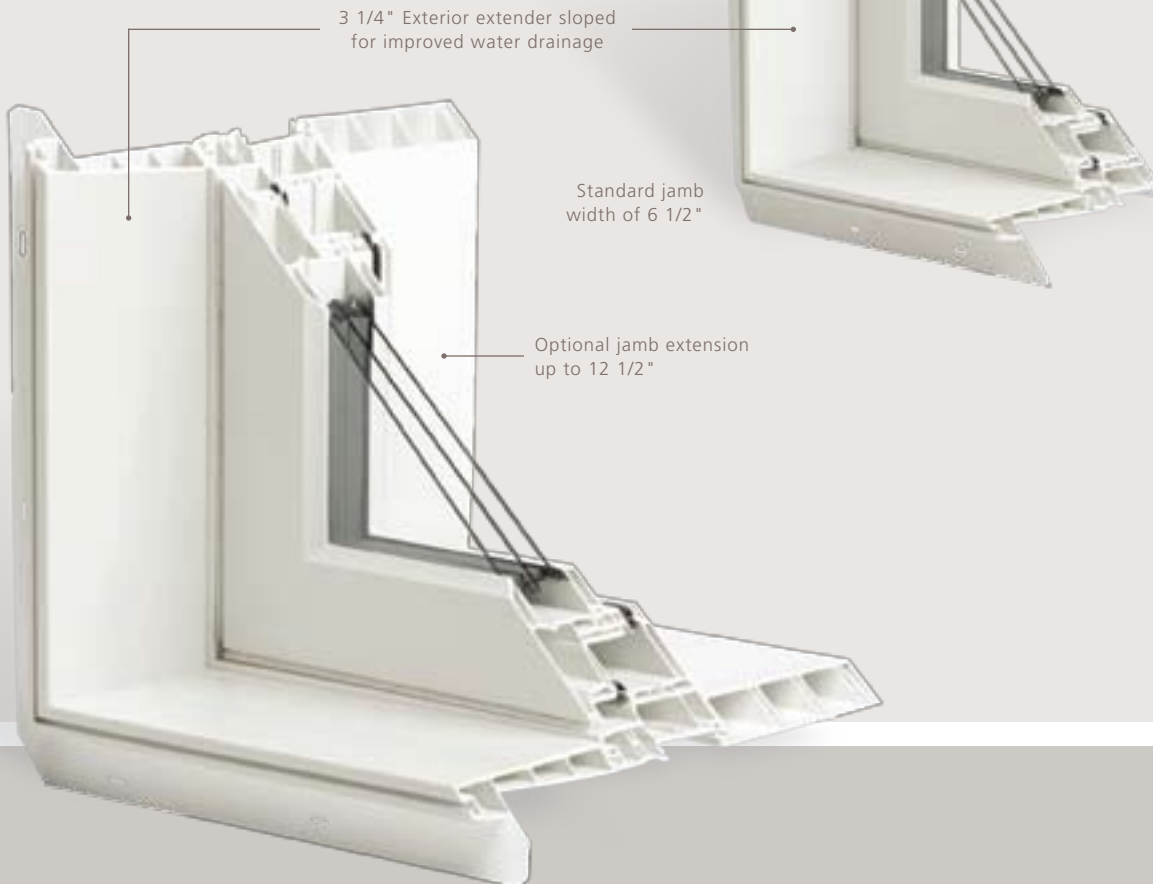
DRIP CAP

A detail option that diverts water from your window, preventing water infiltration at the sill.



3 1/4" EXTERIOR EXTENDER

A clever accessory that "pushes" the window back into the wall for improved thermal performance and unique exterior appearance. Can be combined with jamb extensions for wide wall applications. Brickmould and j-trim options can also be factory applied to the frame extender.



3 1/4" Exterior extender sloped for improved water drainage

Standard jamb width of 6 1/2"

Optional jamb extension up to 12 1/2"

BRICKMOULD / EXTERIOR OPTIONS



JAMB EXTENSIONS INTERIOR OPTIONS

Our window jamb extensions come factory applied, in your choice of jamb widths up to 12 1/2". They provide plenty of opportunity to match your décor in any way you please.

Vinyl jamb extensions are available in White and Desert Sand, are easy to clean and never need painting. We also offer clear Pacific Coast Hemlock jamb extensions that are perfect for staining. Paint grade wood is also available.

Our u-channel return is designed to accept 1/2" and 3/4" materials. You can finish your windows with a sleek return of drywall back to the window or choose a hardwood that matches your casing or flooring. The possibilities are endless.



White Vinyl



Desert Sand Vinyl



Pacific Coast Hemlock
with White Vinyl Window



Primed Pacific Coast Hemlock
with White Vinyl Window



Factory Applied
Vinyl Jamb
Extension



U-channel Return



U-channel return accepts
3/4" and 1/2" material

REMODELING OPTIONS

There are many ways to use windows as a remodeling element for your home. The new added accessories, available with Willmar Collection vinyl windows, allow you to simulate home styles from the classic traditional look of wood framing to more modern design. And they are so easy to install you can do it yourself.

Replacing your windows can achieve many things — they can make your home more energy efficient and comfortable as well as update and freshen the appearance of your home, ultimately increasing the re-sale value of your home. There are typically two types of remodeling, box unit and full frame.



BEFORE

AFTER — FULL FRAME REMODELING



VINYL WINDOW OPTIONS

BOX UNIT

This involves replacing only the window's existing sash and leaving the window frame intact. The vinyl box unit is 3 1/4" wide making it ideal as an insert window that can be installed into the existing window frame. This economical option does not disturb the existing exterior and interior trims.

Accessories such as the sill expander for a sloped sill are site applied trim that covers over the gap left between the existing sloped sill and the vinyl window. Another option would be using an exterior casing where the decorative trim (factory or site applied) covers over the gap left between the vinyl window and the exterior siding.



Sill Expander



Exterior Casing

FULL FRAME

This involves completely removing the existing window and replacing it with a new window. With this option you can easily change the function, performance and appearance of your window style.

An example would be utilizing the 1 5/8" or 2" brickmould that matches the existing window size, making the installation simple to do yourself. You might also consider using new jamb extensions to completely change the look and functionality of your window from the inside and the outside.



3 1/4" vinyl box unit installed into your existing window frame.



Vinyl window with brickmould and sill nosing to fit the outside dimension of your existing window.

VINYL WINDOW OPTIONS

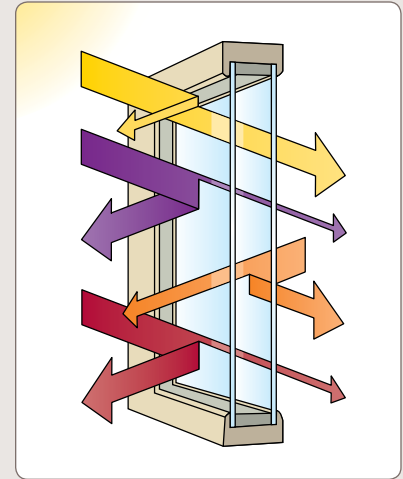
EDGETECH SUPER SPACER®

Working in tandem with JELD-WEN window technology, Edgetech Super Spacer creates a full seal of protection between each pane of glass, ensuring more efficient heating and cooling throughout the seasons. Super Spacer's no metal formula provides incredible thermal protection and reduced condensation allowing for a more comfortable humidity level in your home.







LOW E WITH ARGON

Whether it's escaping the cold of winter or the heat of summer, JELD-WEN Willmar Collection has the right Low E for your windows. This intelligent coating on the glass, kept inside the airspace, is formulated to reduce heat loss in the winter and resist heat gain in the summer — resulting in a more constant temperature in your home year-round, not to mention reduced heating and cooling bills. Both JELD-WEN Low E options come standard with argon gas for added thermal efficiency. Enjoy every season.



LOW E WITH ARGON

-  High visible light admitted
-  UV blocking
-  Reduced heat loss
-  Reduced solar heat gain

INSULATING GLASS OPTIONS

The Willmar Collection of windows offers insulating glass options that respond to different kinds of environmental conditions, regardless of your home's location or architecture. Our insulating glass is available in dualpane (two glass panels separated by a sealed airspace) and tripane (three glass panels separated by a sealed airspace). Tripane are especially appropriate for extreme climates since they provide additional glass and airspace for insulation.



Dualpane



Tripane

Tripane available on ES7000 windows only.

SEE THE JELD-WEN WINDOW AND DOOR PERFORMANCE AND SIZING GUIDE FOR MORE INSULATING GLASS INFORMATION.

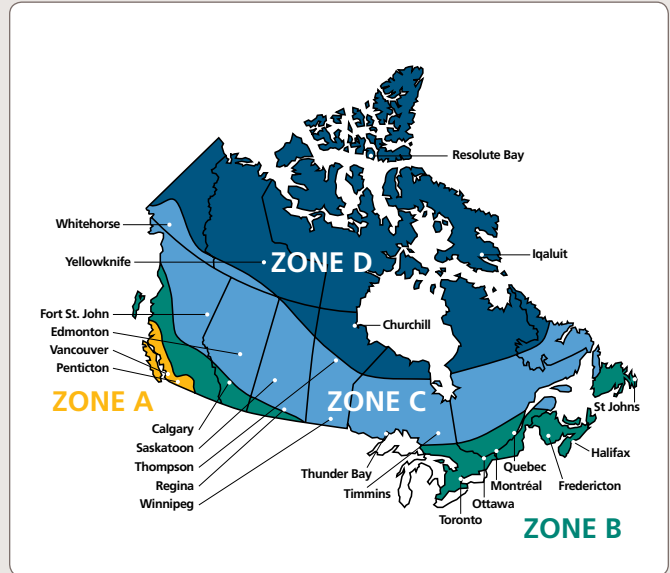
INCREASE COMFORT, LOWER ENERGY COSTS

Homes equipped with ENERGY STAR® products have lower operating costs because these products use less energy than conventional products. From an environmental perspective, improving energy efficiency reduces greenhouse gases that contribute to climate change.

ENERGY STAR divides Canada into four key climate zones (A, B, C, D). The more zones a product qualifies for, the more energy efficient it is. Many JELD-WEN windows qualify for more than one zone.

ENERGY STAR QUALIFIED JELD-WEN PRODUCTS FEATURE:

- Double or triple glazing with low-emissivity (Low E) glass
- Argon gas in the sealed unit
- Warm-Edge technology spacer bars
- Superior air tightness
- A visible label with the ENERGY STAR symbol and the product's zone or zones qualifications



THE INTERNATIONAL ENERGY STAR SYMBOL

The international ENERGY STAR symbol is a simple way for consumers to identify products that are among the most energy-efficient on the market. Only manufacturers and retailers whose products meet the ENERGY STAR criteria can label their products with this symbol. Choosing an ENERGY STAR-labelled product over a conventional model could save you hundreds of dollars in energy costs.

Visit www.eco-reno.ca to find out which products are qualified for your specific geographic region.

How can you say no to putting money in your pocket and increasing the value of your home?

House Size	Approximate ENERGY STAR® Upgrade Cost*	Approximate Annual Payment Added to Mortgage	Anticipated Annual Energy Savings**	Approximate Annual Direct to Pocket Savings
		(Based on 4.0%, 1 yr. closed, 25 yr. Amort.)		(Source: Natural Resources Canada)
1,500 sq. ft.	\$680.00	\$54.60	\$68.15	\$13.55
2,500 sq. ft.	\$800.00	\$64.32	\$118.45	\$54.13
4,000 sq. ft.	\$1200.00	\$96.48	\$183.37	\$86.89

* Upgrade cost depends greatly upon the sizes and quantities of windows per house.

** NRC assumptions: Two story new construction home with basement, in Toronto, built to current code, heated by natural gas and cooled by central air. Analysis includes changes to U-Value and SHGC of windows only (no change in air tightness). Fenestration to wall ration is 20%. Assumed equal square footage of windows on all four sides of house.

WARRANTY SUMMARY

A LIFETIME OF COVERAGE

Our Real Life Warranty is our promise that the window or door you choose will perform in real life situations — from seasonal changes to daily use. Our Limited Lifetime Warranty is industry-leading coverage that assures that all sealed glazing units for our vinyl windows and hardware mechanisms will last as long as you own and occupy your home. And you can transfer up to ten years of coverage if you move or sell your home. ■



ADDITIONAL COVERAGE:

20 YEAR LIMITED WARRANTY

Vinyl Sliding Patio Doors

10 YEAR LIMITED WARRANTY

Coloured Vinyl Windows

LABOUR

Two years

SPONTANEOUS GLASS BREAKAGE

One year





RELIABILITY *for real life*®





The JELD-WEN® Web site is your ultimate resource for learning about our reliable windows and doors. It has all the product information and design advice you need. Visit us at www.jeld-wen.ca today.

RELIABILITY *for real life*®

JELD-WEN
WINDOWS & DOORS

