

DESIGN INSPIRED AND EXPERTLY CRAFTED - FOR YOU





YOUR WINDOWS IN A WHOLE NEW LIGHT

In Gentek windows, you have discovered every "must have" for today's homes: superb style, exceptional strength, energy efficiency and carefree upkeep.

Custom-made to your specifications, our windows are backed by decades of manufacturing expertise. Engineering, innovation, rigorous testing and stringent quality control are just a few ways that we turn cutting-edge technology into superior windows and satisfied customers. When you choose Gentek windows for your home, you can be assured of the highest levels of beauty, performance and value.





REGENCY[®]

Built for outstanding appearance and performance, Regency windows exude premium quality from every angle. Heavy-duty fusion-welded masterframe and sashes, multichambered extrusions, interlocking steel-reinforced meeting rails and a high-performance insulated glass system combine for superb functionality, while the refined design and attention to detail impart classic elegance.

ORIGIN II Vinyl Technology

Highly durable and virtually maintenance-free, our Origin II premium vinyl won't rot, peel, blister, swell or deteriorate from corrosion or pitting like painted wood windows. The beautiful colour is compounded throughout with base tones of warm whites to achieve the perfect measure of quality and aesthetic appeal.

IntegraWeld

Fusion Welding

IntegraWeld ensures full-contact welding points for every masterframe and sash corner, resulting in superior strength and a clean, low-spread finished appearance. And, unlike mechanically fastened windows, Regency window corners will not work loose or leak air or water.

<u>Renovation</u> MASTERFRAME

The beveled exterior masterframe on the Regency double hung and slider windows works beautifully with various installation methods and architectural styles.

MAXUM33

Steel Sash Reinforcement

Our Maxum33 steel sash reinforcement in Regency windows adds extra strength at the sash meeting rails to help prevent flexing during heavy winds – a valuable component especially during harsh Canadian weather.

Constant Force

Balance System

Rigorously tested for heavy-duty wear and tear, Regency double hung windows feature a constant force coil to ensure smooth and easy sash opening and closing. Likewise, our casement windows feature high-performance operating hardware that provides superior strength for lifelong ease of operation and a corrosion-resistant finish.



Origin II vinyl delivers outstanding durability and strength.



Renovation Masterframe helps Regency windows accommodate a range of installation methods and architectural styles.



Regency sashes are built extra strong with the Maxum33 steel sash rail reinforcement.

YEAR-ROUND COMFORT FOR YOUR HOME

For many homeowners, conserving energy and reducing fuel costs¹ is a primary reason for purchasing new windows – and that's why thermal efficiency and a weathertight construction are at the core of our Regency window design.

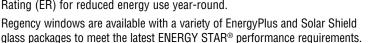


ENERGYPLUS™ GLASS - DESIGNED FOR NORTHERN CLIMATES

Windows are roughly 80% glass, so it's essential to choose a glass system that meets the challenging demands of northern climates. The glass should provide insulation from extreme weather yet allow the warmth and beauty of natural light to shine through.

Our EnergyPlus glass is specially formulated with insulating properties that promote energy conservation. The precision-engineered Low-E (low-emissivity) glass reflects warmth back into the interior of your home during cold winter months and reduces

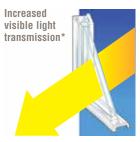
unwanted solar heat gain in the summer. Combined with Super Spacer[®] technology and insulating gas, EnergyPlus can achieve an excellent Energy Rating (ER) for reduced energy use year-round.



ENERGY STAR is the mark of high-efficiency products in Canada, and windows earning this distinction must meet strict technical specifications for energy-efficient performance. As one of the best choices for reducing heat loss, ENERGY STAR-certified Regency windows can help you save money by

UNCOMPROMISED CLARITY FOR AN ENHANCED INDOOR AMBIANCE

cutting your annual heating and cooling energy bills.



Allows increased visible light transmission to brighten the home's interior.



Lets in more of the sun's heat to warm the home naturally in winter months.



See your Gentek

representative for

energy-efficient

glass packages

conditions.

available for your

home and climate

Improves insulating performance significantly over double clear glass.

*Results achieved by testing centre of glass.

CUSTOMIZE YOUR WINDOWS

Choose the best glass package to meet the specific climate conditions of your area. Doubleor triple-glazed units with the Super Spacer structural foam spacer are designed to provide greater energy conservation and indoor comfort.

ENERGYPLUS QUATTRO

- Ultra-efficient, double-glazed system can achieve triple-glazed glass performance.
- Meets new ENERGY STAR requirements; exceptions may occur when certain options are ordered.
- Two surfaces of Low-E technology; reflects heat back into the home interior and significantly increases the Energy Rating (ER) value.

ENERGYPLUS GLASS PACKAGES

 Double-glazed EnergyPlus glass units (which are standard on Regency windows) feature one surface of Low-E glass, insulating argon gas² and the Super Spacer structural foam spacer for an excellent Energy Rating.

SOLAR SHIELD GLASS PACKAGES

- Feature increased solar control to help create consistent indoor temperatures in regions with hot summers and cold winters.
- Blocks significantly more unwanted solar energy than standard clear glass and dark tinted glass, resulting in less air-conditioning use.







The Super Spacer non-metal spacer provides one of the highest resistances to conduction and eliminates metal-to-glass contact and conduction.

SUPER SPACER NON-METAL SPACER DESIGN SYSTEM

The spacer system in your window creates an insulating air space between the panes of glass, which functions as a thermal barrier. Many windows are constructed with a metal spacer between the panes to give the glass unit structural stability. However, the metal edges conduct cold from the outside of your home at a rate up to 120% higher than at the center of the glass area. This can create condensation problems at the window edge, damaging woodwork and draperies.

Regency windows combine a structural foam spacer with a seal of hot melt butyl to create a "warm," non-conductive edge. When correctly installed, Regency windows with the Super Spacer system virtually eliminate condensation, provided that the proper air circulation and humidity levels are maintained in the home.[†] The Super Spacer also reduces the subtle movement of glass panes caused by changes in temperature – helping to prevent seal failure and lessening the stress on the glass panes.

COMPARISON OF GLASS EDGE TEMPERATURES AMONG VARIOUS SPACER SYSTEMS^{††}

SUPER SPACEF Super Spacer® Premium sealed with butyl 3.4°C 38.1°F Intercept® Ultra sealed with butyl 1.7°C 35.1°F Exterior Cardinal Endur™ 17.8°C 0°F 1.6°C 34.9°F Cardinal XL Edge™ 0.9°C 33.6°F Interior 21.1°C 70°F Intercept sealed with butyl VTERCEPT ULTRA -1.4°C 29.5°F Aluminum spacer sealed with silicone -4.6°C 23.7°F Temperatures independently simulated Up to +8°C +14.4°F warmer temperature at the edge of the glass Outside -17.8°C/0°F ± -1.1°C/2°F Inside 21.1°C/70°F ± -1.1°C/2°F

CHECK THE NFRC LABEL

To compare the energy-saving performance of one window to the next, take a look at the NFRC label. The National Fenestration Rating Council (NFRC) is a non-profit industry organization that is committed to providing accurate, fair and reliable testing data to help consumers, architects and builders compare the energy performance of window and door products. The lower the U-factor (also known as U-value), the less energy you'll need to heat your home. The lower the Solar Heat Gain Coefficient (SHGC), the more you'll conserve on air-conditioning.

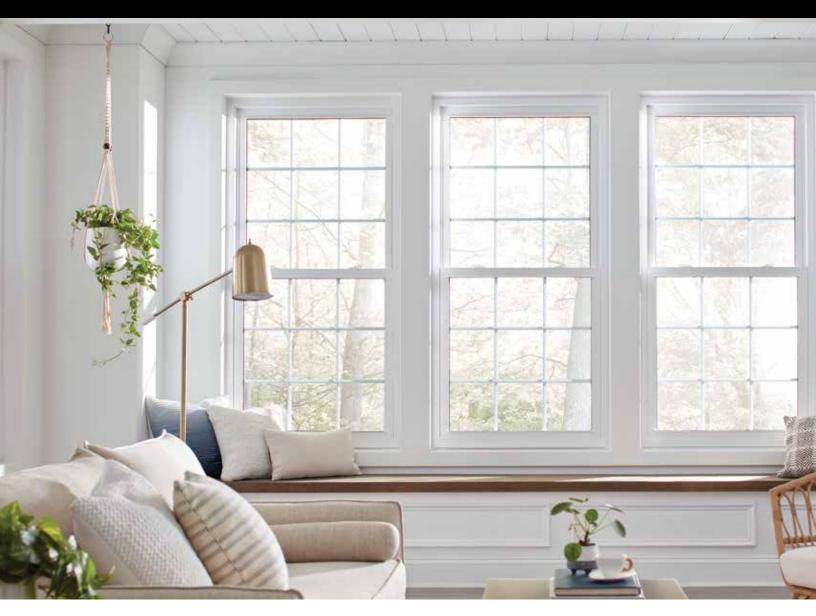


[†]For more information, please see Your Guide to Common Household Condensation at gentek.ca.

^{††}Simulations sponsored by Quanex Building Products and performed by WSP Canada Ltd. using Window 7.4 and Therm 7.4, according to NRFC 100-2014 and NRFC 200-2014. All models were 1200 x 1500 mm (approx. 48" x 60") and NFRC-2010 conditions -0°F outside, 70°F inside – were used for all simulations. Low-E glass for double-pane IG was Cardinal Low-E2 270; Low-E glass for triple-pane IG was Cardinal Low-E3 366. All air spaces 0.500° wide, with 90% argon fill. Doubles were modeled as IG units only and in Mikron 1400 series SSTDH; triples were modeled as IG only and in Mikron 10700 (EnergyQuest) series SSTDH. Secondary sealant materials and depths are as listed. Temperature values shown are from modeling results, and were measured at the sightline (SL) and at 0.5° above the sightline (SL+1/2"). Super Spacer is a registered trademark of Quanex Building Products. Intercept is a registered trademark of Vitro Architectural Glass. XL Edge and Endur are trademarks of Cardinal Glass Industries. [QBP17M00614] Spacer performance results courtesy of Quanex Building Products.

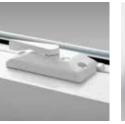
DOUBLE HUNG WINDOWS

The ultra-premium construction of our double hung windows not only will lend classic beauty to your home, it also will provide energy efficiency and weathertight protection. Tilt-in top and bottom sashes give this window the cornerstone on easy upkeep – simply tilt the sash in to clean both sides of the glass from the comfort of your home.





The beveled exterior masterframe further enhances the traditional beauty and appeal of the Regency double hung window.



Easy-to-operate cam-action lock.



Contoured tilt latches and sash vent stops.

SINGLE HUNG WINDOWS

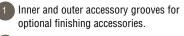
Regency windows also are available in a popular single hung style.







PRECISION-ENGINEERED FOR SUPERIOR BEAUTY, QUALITY AND PERFORMANCE



- Sash vent stops limit opening to 4".
- ³ Tilt-in sashes allow for easy cleaning of the glass from inside the home.
- Steel-reinforced interlock on windows 26" or wider with two locks and keepers for a snug fit and increased durability.
- Double-glazed 7/8" EnergyPlus glass units featuring one surface of soft-coat Low-E glass, insulating argon gas and the Super Spacer structural foam spacer are designed as an effective thermal barrier to restrict the transfer of heat and cold.
- ⁶ Full-width lift rails for easy operation.
- 7 IntegraWeld fusion-welded frame (3-1/4") and sash corners add extra structural strength and increase precision in the frame and sash.
- 8 Standard pocket sill (welded).
- Easy-lift constant force balance system ensures years of easy, smooth operation of the sash.



Internal Maxum33 steel lineal reinforcement at the sash interlock.

- Premium vinyl frame and sashes never need painting and will not rust, peel or corrode.
- Tilt-in top and bottom sashes allow convenient cleaning from inside the home.
- Full range of vinyl, composite and wood jamb extensions available.
- · Colour-coordinated extruded full screen included.
- Optional extruded half screen available.

SLIDER WINDOWS

Our elegant slider windows pair the beauty of a crisp, clean-line design with a heavy-duty construction built for everyday wear and tear. Sleek sashes glide horizontally for effortless opening and closing, and lift out for easy cleaning.**



The smooth gliding action of the slider window allows for easy opening and closing. Available in single and double sliders.



Each slider window operating lift-out sash features two sets of solid-brass tandem rollers to ensure effortless window operation.



Sash vent stops allow fresh air ventilation.



Cam-action lock tightly seals the window closed.

OPTIONAL TILT AND TURN SLIDER WINDOWS

• Sash lock allows all sashes to swing in easily for cleaning.

• Available in single and double sliders.







PRECISION-ENGINEERED FOR SUPERIOR BEAUTY AND PERFORMANCE

Inner and outer accessory grooves for optional finishing accessories.

- 2 Full-height pull rails for easy operation.
- 3 Double-glazed 7/8" EnergyPlus glass units featuring one surface of soft-coat Low-E glass, insulating argon gas and the Super Spacer structural foam spacer are designed as an effective thermal barrier to restrict the transfer of heat and cold.

Steel-reinforced interlock on windows 26" or higher with two locks and keepers for a snug fit and added durability.

5 IntegraWeld fusion-welded frame (3-1/4") and sash corners add extra structural strength and increase precision in the frame and sash.

⁶ Operating sash features two sets of solid brass tandem rollers to ensure smooth operation.

- Premium vinyl frame and sashes never need painting and will not rust, peel or corrode.
- Full range of vinyl, composite and wood jamb extensions available.
- Sash vent stops limit opening to 4".
- Colour-coordinated extruded full screen included.
- Optional extruded half screen available.
- Optional tilt and turn hardware for easy cleaning.

CASEMENT WINDOWS

When you think of windows as a style element in your home, you'll see why casements are a popular choice. The handsome construction, ample glass exposure and gentle outward opening of the sash offer timeless aesthetic appeal and refreshing ventilation.



A welcomed addition to any room, our casement window takes on a modern-day feel with its impeccably styled frame and low-profile nesting handle.



Single-lever, multipoint locking system.



Attractive fold-down handle with nesting cover.



Functional and durable high-performance operating mechanism.









PRECISION-ENGINEERED FOR SUPERIOR BEAUTY AND PERFORMANCE

Concealed hinges open 90 degrees (on windows 16" wide or more); exterior glass is easy to clean from inside.

Inner and outer accessory grooves for optional finishing accessories.

3 Multipoint locking system.

Double-glazed 7/8" EnergyPlus glass unit featuring one surface of soft-coat Low-E glass, insulating argon gas and the Super Spacer structural foam spacer is designed as an effective thermal barrier to restrict the transfer of heat and cold.

B Heavy-duty operating hardware crank ensures a tight fit for easy operation.

6 IntegraWeld four-point fusion-welded corners add structural strength and increase precision in the frame and sash.

Optional (no charge) black weatherstripping.

- Premium vinyl frame and sash never need painting and will not rust, peel or corrode.
- Spring bottom-loaded screen design (no pins or tabs) for a snug fit and easy removal and replacement from the interior.
- Full range of vinyl, composite and wood jamb extensions available.

AWNING WINDOWS

Opening up and out, awning windows offer a unique decorating accent while also providing convenient ventilation with an easy touch of the handle. Pairing awning windows with fixed lites also creates a variety of options to customize the overall look and functionality of your windows.



Our awning windows feature a beveled exterior masterframe for added dimension and style. Dual locking handles further enhance its secure, weathertight fit.



Dual jamb locks seal the window tight.



Heavy-duty operating hardware.



Attractive fold-down handle with nesting cover.







PRECISION-ENGINEERED FOR SUPERIOR BEAUTY AND PERFORMANCE

- IntegraWeld four-point fusion-welded corners add structural strength and increase precision in the frame and sash.
- Inner and outer accessory grooves for optional finishing accessories.
- 3 Heavy-duty operating hardware crank ensures a tight fit for easy operation.
- 4 Multiple lock points.
- Double-glazed 7/8" EnergyPlus glass unit featuring one surface of Low-E glass, insulating argon gas and the Super Spacer structural foam spacer is designed as an effective thermal barrier to restrict the transfer of heat and cold.

- Premium vinyl frame and sash never need painting and will not rust, peel or corrode.
- Spring bottom-loaded screen design (no pins or tabs) for a snug fit and easy removal and replacement from the interior.
- Full range of vinyl, composite and wood jamb extensions available.

BAY AND BOW WINDOWS

Add the perfect touch of refinement to your home with a beautifully crafted bay or bow window. This charming focal point creates the appearance of an expanded living area while allowing ample natural light to fill the room.

Whether you're enhancing your kitchen with a generous outdoor view or creating a whimsical reading nook, the graceful curve and subtle sophistication of a bay or bow window will lend visual interest and appeal.

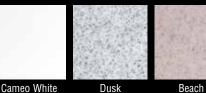


Each bay or bow window is custom-built for enduring quality, comfort and energy efficiency.



AVONITE SEATBOARD

Avonite seatboards offer another distinctive option for your bay or bow window. Choose from our palette of subtle colours to accentuate your room décor.



Beach

Sandstone







PRECISION-ENGINEERED FOR SUPERIOR BEAUTY AND PERFORMANCE

Solid vinyl colour throughout keeps windows fresh and new-looking – premium vinyl resin won't chip, peel, crack or warp.

- 2 Extruded vinyl frames and sashes for enhanced aesthetics, durability and thermal efficiency.
- 3 Multiple chambers create additional insulation channels between the window units.
- 4 Head, seatboard and jamb construction are standard in 1-1/4" furniture-grade veneer.
- 5 Optional 3" pre-insulated seatboard adds comfort and promotes energy efficiency.

6 Head and seatboard are finished in Oak or Birch veneers and ready for painting or staining.³

- Slimline reinforced mullion design provides superior strength and support for the selected components.
- Insulated glass unit with trapped air space helps prevent energy loss.
- · Available in a wide selection of elegant interior and exterior colours.

BASEMENT AND HOPPER WINDOWS

With classic style and modern practicality, Regency basement and hopper windows offer the ideal way to add natural light and ventilation to the lower levels of your home.



BASEMENT WINDOW



HOPPER WINDOW



PRECISION-ENGINEERED FOR SUPERIOR BEAUTY AND PERFORMANCE

BASEMENT WINDOW

- Double-glazed 7/8" EnergyPlus glass unit featuring one surface of soft-coat Low-E glass, insulating argon gas and the Super Spacer structural foam spacer is designed as an effective thermal barrier to restrict the transfer of heat and cold.
 - Sweep-type lock at the bottom of window locks and unlocks the operating sash.
 - IntegraWeld fusion-welded frame and sash corners add extra structural strength and increase precision in the frame and sash.

HOPPER WINDOW

3

2

3

- Double-glazed 7/8" EnergyPlus glass unit featuring one surface of soft-coat Low-E glass, insulating argon gas and the Super Spacer structural foam spacer is designed as an effective thermal barrier to restrict the transfer of heat and cold.
- Hinge-free pivot shoe design ensures smooth operation.
- IntegraWeld fusion-welded frame and sash corners add extra structural strength and increase precision in the frame and sash.





Basement Windows

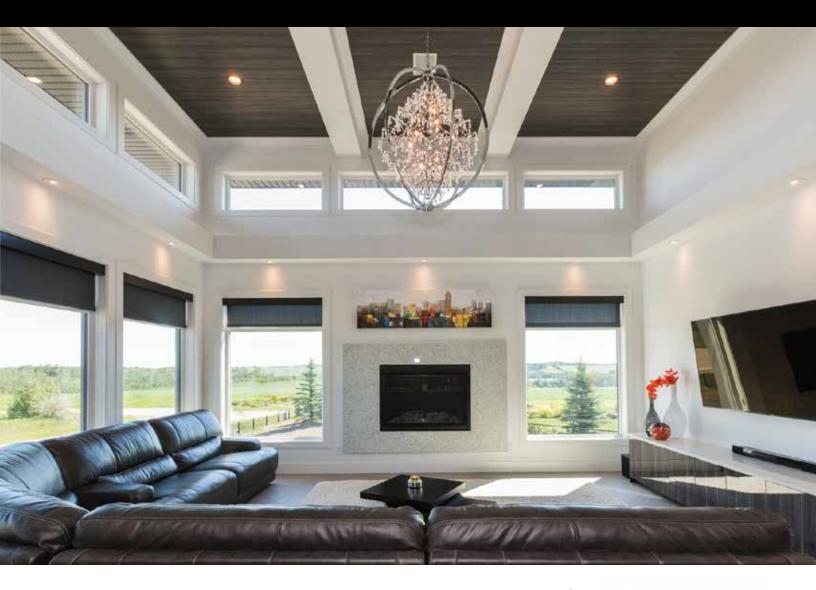
Intended for use at or below grade, the tophinge construction allows the basement window to open inward, providing convenient air circulation and natural light to the interior.

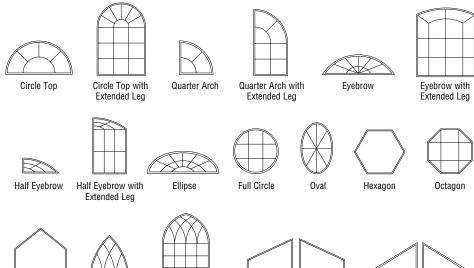
Hopper Windows

The hopper window hinges at the bottom and opens to the interior of your home. It can be installed above ground, allowing refreshing airflow and natural light.

PICTURE AND SPECIAL SHAPE WINDOWS

There's nothing quite like Special Shape windows to add a dramatic touch of style to your home. Beautifully crafted with attention to architectural detail, Special Shapes can be used alone or combined with other windows to transform the appearance of your home – inside and out.





Trapezoid

Left and Right

Triangle

Left and Right

Pentagon

Cathedral

Cathedral with

Extended Leg



Choose from a wide array of shapes including round tops, cathedrals, octagons, trapezoids, triangles, pentagons and more. See your Gentek Sales Representative for the complete Special Shapes offering.

PAIR POWER With Style

Windows not only protect your home, they provide a powerful element of style in the overall appearance. Regency offers bold and beautiful architectural exterior frame colours that add the perfect measure of visual appeal. A wide variety of interior grids, decorative glass and window accessories make it easy to achieve your ideal finished look.



FRAME COLOURS

Regency windows are available in White, with the extruded colour formulated throughout the vinyl sashes and masterframe for long-lasting beauty. Or choose from our 20 standard paint colours for greater design options that are beautiful, durable and affordable. Window interiors are extruded White; an optional Black painted interior finish also is offered.⁴

White - extruded	Sandalwood 508	Windswept Smoke 506	
Cream 492	Brownstone 571	Chestnut Brown 554	
Almond 532	Dark Drift 557	Commercial Brown 562	
Maize 502	Sable 547	Espresso 5P3	
Wicker 538	Dover Gray 536	Graphite 5P5	
Canyon Clay 510	Storm 570	Iron Ore 5P6	
Pebble 559	Slate 523	Black 525	

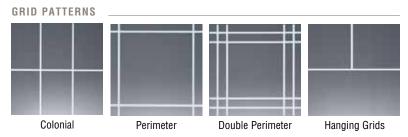


MAKE IT YOUR OWN Take your exterior design to the next level with custom painted windows. Regency windows can be painted to match any of Gentek's exterior trim colours, allowing you to give your home your personal touch. All window interiors are extruded White or an optional Black painted finish.⁴

INTERIOR GRIDS

Interior grids will further enhance the appearance of your windows. First, choose a grid pattern from one of our four styles, then select a grid profile to create the perfect finished look.

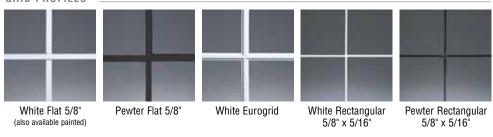
Grids are available in complementary White in Flat or contoured Eurogrid style, featuring a modeled "cut-wood" look. Regency also offers Rectangular grids in Pewter and White. All grids are enclosed within the insulated glass unit for easy cleaning. Please see your dealer for available colour options.



Decorative Grid Pattern Options:

Colonial – available in Flat, Eurogrid and Rectangular grids Perimeter and Double Perimeter - available in Flat, Eurogrid and Rectangular grids Hanging Grids - available in Flat grids





Painted Grids

Flat painted grid exteriors are available in Commercial Brown, Pebble, Maize, Black, Wicker Flatstock, Sandalwood, Chestnut Brown, Storm, Windswept Smoke, Sable, Sandstone and Iron Ore. Grid interior colour is White. An optional Black painted interior grid colour also is offered.

WINDOW ACCESSORIES

Regency offers a full selection of accessories to ensure a professional installation for every design and application need. See your Gentek window consultant for additional accessories.

PVC Jambs

- Overall vinyl jambs in 4-1/2" and 6-9/16".
- New construction jamb extensions in 4-9/16" and 6-9/16".

Composite Jambs

Available in 1-1/4" to 3-1/4" and 3-1/4" to 6-1/2".

Vinyl Clad Wood Jambs

The addition of a vinyl clad jamb extension to the interior of the window allows the depth to be expanded from 4-1/2" to 11-1/4".

Wood Jambs

Available in Pine and paint grade; jamb extensions are 1-1/4" to 8".

Drywall/Wood Returns

Drywall and wood returns will snap into the frame's accessory groove, providing for a snug fit between the window and the drywall or wood. Fits with 1/2" or 3/4" sizes. With the brickmould exterior option and an interior clad iamb extension, the overall depth can be increased to 12-1/2".

Factory-Installed Welded Brickmould

- 1-1/2" standard brickmould with and
- without nail fin.
- 3-1/2" brickmould.
- J-trim, narrow and renovation brickmoulds.
- 2" brickmould with predrilled nailing flange, or nailing flange removed.
- Nail fin only.

Sloped Sills

• 1/2" and 7/8" sloped sills.

Extensions

4-1/2" overall exterior extension.

PRIVACY GLASS OPTIONS

Obscure or opaque-looking glass offers privacy for bathrooms and other areas of your home while allowing an infusion of natural light. Choose from our three glass designs to beautifully complement your room.



Obscure





The images above are created through lithographic process. Please make final glass selection by viewing actual glass samples.

Simulated Divided Lite Available in 7/8" and 1-1/4" arille widths in White and our full selection of exterior standard and custom painted colours. (Interior colour is White.)



GREENER PRODUCTS FOR A BETTER WORLD

Conserving energy, reducing waste and recycling materials are just a few ways we can all work together to leave a smaller environmental footprint. As good neighbors to each other and the earth, today's homeowners are happily choosing green.

Built with environmental stewardship in mind, our Regency windows are precision-engineered to deliver superior energy efficiency and help reduce the consumption of fossil fuels needed for heating and cooling homes. They also boast a long service life and are produced with manufacturing efficiencies designed to reduce waste during production. As a recyclable material, in-plant vinyl scrap can be reused for other products, further lessening the volume and environmental impact of waste.

A LIFETIME OF PROTECTION

Regency windows encompass all of the hallmarks of exceptional window design – enduring quality and energy efficiency, along with functional beauty and maintenance freedom. Tested and proven, Regency windows are a smart investment in your home and are endorsed by a lifetime limited, transferable warranty.



For complete warranty information, including limitations, ask your dealer for a copy of the Regency window warranty.

BRING GENTEK QUALITY HOME

When you choose new windows for your home, you're choosing much more than the frame, sashes and glass – you are choosing the company that stands behind the product.

At Gentek, we are dedicated to providing superior quality and excellent value for you, our customer, and are continually researching and developing innovations that achieve new heights in world-class product performance. We further demonstrate our commitment to excellence through our voluntary participation in rigorous testing and quality assurance certifications from independent agencies.





1001 Corporate Drive Burlington, ON L7L 5V5 gentek.ca *Make us a part of your home.*



¹See your Gentek Sales Representative for additional information regarding any questions you might have, or any assertions herein, concerning energy efficiency or savings. Energy savings will vary. ²Insulated glass (IG) units that require capillary tubes may experience some argon gas depletion. ³It is imperative that your new bay or bow window is sealed and finished properly within the first 30 days after installation. Failure to properly finish and seal all of the wood components may cause the wood to fade, swell, warp, or develop other defects that would not be covered under your normal product warranty. ⁴Opticanal black painted interior finish is available for casement, awning, special shape and picture windows only; the finish is not covered by the Regency warranty. Colours may be slightly different from their appearance in this brochure. Make final colour selections using actual product samples. All specifications and designs subject to change without notice. Due to product changes, improvements and other factors, Gentek reserves the right to change or delete information contained herein without prior notice. WARNING: Screen will not stop child from falling out of window; keep child away from open window. The only purpose of the screen is to minimize infiltration of insects. ENERGY STAR logo reproduced with permission of the Minister of Natural Resources Canada, 2004. Accessible formats and communication supports available upon request.