



1001 Corporate Drive • Burlington, ON L7L 5V5
gentek.ca

Make us a part of your home.



**It 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. Colours are reproduced by lithographic process and may vary slightly from colours of actual product. 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. Spacer performance results courtesy of Edgetech I.G. Inc. Super Spacer is registered trademark of Edgetech I.G. Inc. DuraSeal is a trademark and Swiggle is a registered trademark of TruSeal Technologies, Inc. XL Edge is a trademark of Cardinal Glass Industries. Intercept is a registered trademark of PPG Industries Inc. ENERGY STAR logo reproduced with permission of the Minister of Natural Resources Canada, 2004.



Regency®



GENTEK®
GENTEK BUILDING PRODUCTS

HIGH-PERFORMANCE WINDOWS

ENERGY-SAVING SOLUTIONS FOR NORTHERN CLIMATES

Energy Saving Solutions





OUR WINDOWS... YOUR PEACE OF MIND

Visually exciting and powerfully built, Gentek windows will dramatically heighten the style and comfort of your home. Equally important, they will deliver true peace of mind that you have chosen an energy-efficient replacement window from a respected manufacturer. Pride in our products and craftsmanship are at the heart of our commitment to quality. It's what makes our windows among the best in the industry and our service second to none.

Gentek windows are custom-made to your exact specifications and backed by decades of window 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 performance, beauty and value.





Regency®

HIGH-PERFORMANCE WINDOWS

Our Regency windows encompass all of the hallmarks of exceptional window design – unsurpassed quality and energy efficiency, along with functional beauty and maintenance freedom. Tested and proven to help cut heating and cooling energy consumption, these performance-engineered windows are a smart investment in your home and are endorsed by a lifetime limited, transferable warranty.





The superb construction of our Regency window sets it apart. Built for decades of everyday wear and tear, this expertly crafted window incorporates heavy-duty, fusion-welded vinyl masterframe and sashes, multi-chambered extrusions and interlocking steel-reinforced meeting rails for superior functionality and style. When you compare Regency to other replacement windows, you'll appreciate the substantial quality distinctions that elevate Regency to a class of its own.

EXCEPTIONAL STRENGTH AND ENDURING STYLE



ORIGIN II™

Vinyl Technology

Rugged, durable and virtually maintenance-free, our Origin II premium vinyl has low thermal conductivity, which makes it ideal for window manufacturing. It also won't rot, peel, blister, swell or deteriorate from corrosion or pitting like painted wood windows. The beautiful colour is compounded through and through with base tones of warm whites and beiges to achieve the perfect measure of quality and aesthetic appeal.

IntegraWeld

Fusion Welding

Our IntegraWeld Fusion Welding method produces 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 never work loose or leak air or water.

Renovation

MASTERFRAME

The beveled exterior masterframe on the Regency double hung, slider and casement windows helps the window accommodate various installation methods and architectural styles – ensuring every Regency window installation will look and perform great for generations to come.

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

Anyone who has struggled to open or close a window understands the importance of a quality balance system. Rigorously tested for decades of operation, 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 maximum strength for lifelong ease of operation and a corrosion-proof finish that is guaranteed for life.



The Origin II premium vinyl construction delivers exceptional durability and strength.



Our Renovation Masterframe design helps Regency accommodate differing installation methods and architectural styles.



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



PRECISION-BUILT FOR SUPERIOR ENERGY SAVINGS

For many homeowners, conserving energy and reducing fuel costs is a primary reason for purchasing new windows – and that's why superior thermal efficiency is at the core our Regency window design. Heavy-duty, fusion-welded masterframe and sashes, multi-layer weatherstripping, airtight insulating chambers and a high-performance insulated glass unit expertly combine to help prevent energy loss and create a more balanced, comfortable interior for your home.

ENERGYPLUS GLASS ADVANTAGES:

- Reduces energy costs by retaining heat inside the home, especially during severe Canadian winters
- Keeps homes comfortable all year long; reduces solar heat gain in the summer to help lower your air-conditioning usage
- Ensures even larger windows are more energy efficient
- Lets in 68% of the sun's heat to warm your home naturally in winter months
- Allows 78% of natural sunlight into your home to brighten the interior

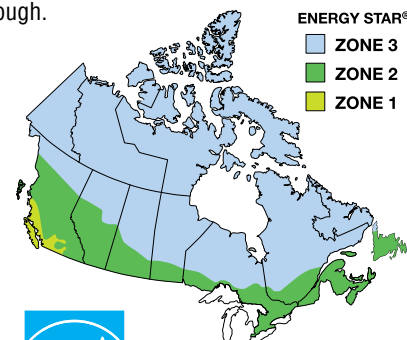
ENERGYPLUS™ GLASS

HIGH-PERFORMANCE INSULATING GLASS DESIGNED SPECIFICALLY FOR NORTHERN CLIMATES

Windows – which are about 80% glass – can be a significant source of energy loss, so it's essential to choose a glass system that meets the tough demands of northern climates. The glass should provide insulation from extreme weather yet allow the warmth and beauty of natural light to shine through.

EnergyPlus glass from Gentek is specially formulated with insulating properties that provide superior energy savings in cold regions with difficult heating requirements. The precision-engineered Low-E (low-emissivity) glass technology features a virtually clear, metallic coating that acts as a thermal mirror to help keep warm air in during the winter and solar heat out during the summer.

This innovative glass package, which combines the Super Spacer® “warm-edge” structural foam spacer and insulating gas, can achieve an excellent Energy Rating (ER) while allowing the cheerful ambience of natural sunlight to illuminate your home.

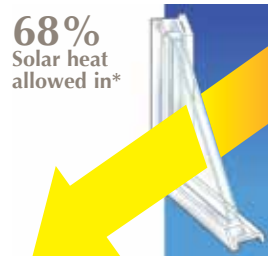


Regency windows are available with a variety of EnergyPlus and Solar Shield glass packages to meet the latest ENERGY STAR® performance requirements. See your Gentek sales representative for the optimal glass package for your home and climate zone.

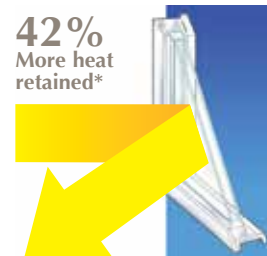
ENERGYPLUS GLASS ACHIEVES YEAR-ROUND COMFORT AND UNCOMPROMISED CLARITY



Allows 78% visible light transmission to brighten the home's interior.



Lets in 68% of the sun's heat to warm the home naturally in winter months.



Improves insulating performance by 42% over double clear glass.

*Results achieved by testing centre of glass.

CHOOSE THE IDEAL GLASS PACKAGE FOR YOUR HOME

Regency windows feature a wide range of EnergyPlus and Solar Shield glass packages that let you customize your windows to meet the specific climate conditions of your home. Double- or triple-glazed glass units with the Super Spacer structural foam spacer provide superior energy efficiency and longevity, while enhancing the indoor comfort and overall value of your home.

ENERGYPLUS GLASS PACKAGES

- Double-glazed EnergyPlus glass units (which are standard on Regency windows) feature one surface of Low-E glass, insulating argon gas and the Super Spacer structural foam spacer for an excellent Energy Rating (ER)
- Meet ENERGY STAR performance requirements for Climate Zones 1 and 2 and a portion of Zone 3 for all Regency window styles; Regency fixed casement and picture windows also meet ENERGY STAR requirements for Zone 3

SOLAR SHIELD GLASS PACKAGES

- Feature increased solar control to help create consistent indoor temperatures in regions with hot summers and cold winters
- Meet ENERGY STAR performance requirements, including Zone 3, for all Regency window styles
- Block up to 50% more unwanted solar energy than standard clear glass and up to 40% more than even dark tinted glass, resulting in lower air-conditioning usage and a more comfortable indoor climate
- Achieve centre-of-glass R-values up to 9, depending on the size and model of the window

From preventing costly energy loss to blocking unwanted solar heat, EnergyPlus and Solar Shield glass packages can be tailored to meet the challenges of your home and climate zone. Consult your Gentek sales professional for the ideal glass package options.

GENTEK QUALITY DISTINCTIONS

Gentek is 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.



The American Architectural Manufacturers Association accredits independent laboratories to inspect facilities for compliance with ANSI material and performance standards for windows.



The National Fenestration Rating Council establishes and maintains a uniform energy rating system for the thermal properties of windows.



Super Spacer from Edgetech delivers on the promise of warm air technology.



Windows manufactured by Gentek Building Products with Low-E argon meet the qualifications as specified by the Window Wise Program.



ENERGY STAR qualified products must meet and exceed minimum Canadian federal energy efficiency standards according to a prescribed performance level for each product area.



AAMA/WDMA/CSA
101/I.S.2/A440-08
CSA A440S1-09

This label certifies that products carrying the label meet the operational and optional thermal performance required by the Canadian Standards Association and are subject to independent inspection to verify manufacturer's claims of operational performance and energy efficiency.



Gentek Building Products is an active member of the CWDMA and the CSA Certification Program.



Products with the IGMA marking meet the certification performance standards required by the Insulated Glass Manufacturer's Alliance and are subject to independent inspections to verify manufacturer's claims.

STUDIES HAVE SHOWN that heat loss and gain through windows account for up to 50% of a home's heating and cooling needs. ENERGY STAR qualified windows from Gentek can help lower your fuel bills – see your Gentek representative for the ENERGY STAR requirements for your home and climate zone.



SUPER SPACER NON-METAL SPACER DESIGN SYSTEM

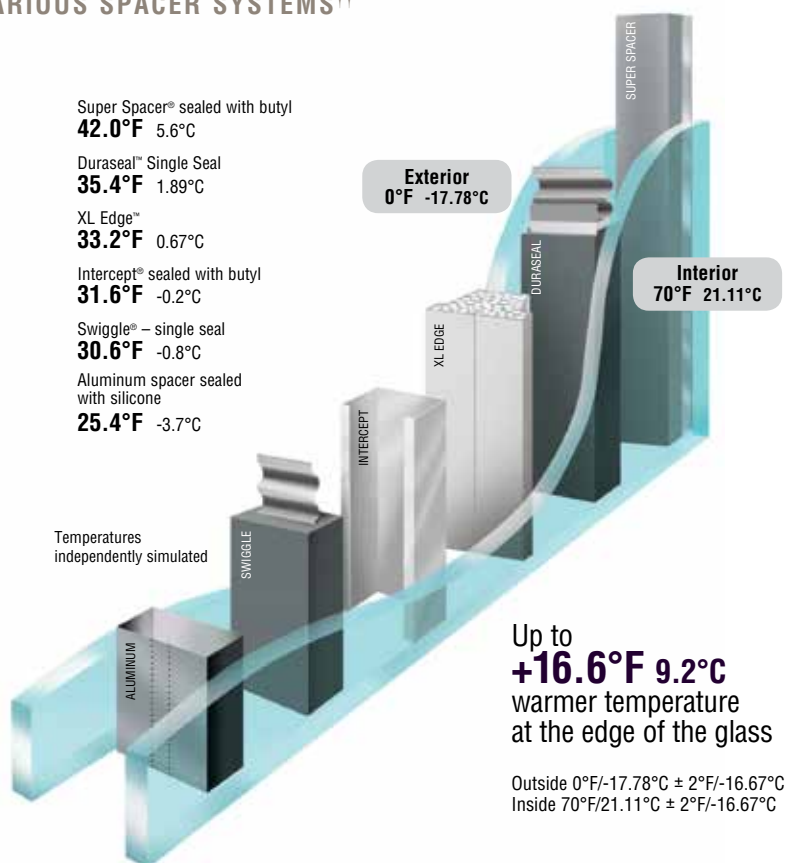
Another key component to a window's energy efficiency is the spacer system. A spacer creates an insulating air space between the panes of glass, which functions as a thermal barrier. Many windows are constructed with a metal spacer between the panes to give the glass unit structural stability. However, 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.[†] In addition, the Super Spacer design minimizes the subtle movement of glass panes caused by changes in temperature – helping to prevent seal failure and reducing the stress on the glass panes.

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



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



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.

 Gentek Building Products Model SR10A - PVC Window Double glazing Argon • Low E Glass • Foam spacer	
ENERGY PERFORMANCE RATINGS	
U-Factor (U.S./F)	Solar Heat Gain Coefficient
0.30	0.53
ADDITIONAL PERFORMANCE RATINGS	
Visible Transmittance	
0.59	----
Manufacturers classify their door ratings, which is separate NFRC standards for determining whole product performance. NFRC ratings are determined for a fixed set of environmental conditions and a specific product size. NFRC does not recommend any product and does not warrant the suitability of any product for any specific use. Consult manufacturer's literature for other product performance information.	

GREENER AND CLEANER FOR TODAY AND TOMORROW

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.

Gentek proudly offers a wide variety of eco-friendly products. 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. As a recyclable material, all in-plant vinyl scrap is reused for other products, further reducing the volume and environmental impact of waste. Vinyl windows and patio doors also boast a long service life and typically weigh less than other substrate window products, requiring less energy consumption during transportation.¹

¹The Vinyl Institute. U.S. EPA Inventory of Sources of Dioxin and Dioxin-Like Compounds.

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

^{††}Simulations performed by Enermodal Engineering Ltd. using Window 5.2 and Therm 5.2 as per NFRC100-2001. Outside temperature 0°F, inside temperature 70°F. Low-E glass Cardinal Low-E² 272. Air spaces .500" wide, 90% argon fill. IGU's 24" x 48". The secondary butyl used with Intercept was 0.035" thick. The conductivity used for Super Spacer Premium was 0.102.



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 outstanding protection and energy efficiency. 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 limit-llocks.



SINGLE HUNG WINDOWS

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

WINDOW PERFORMANCE

AAMA/NFRC

Model	VT	CR	SHGC	U-Value ¹	ER ²
Double Hung	.57	58	.51	.30	31
Single Hung	.61	58	.55	.30	33
Picture	.67	62	.56	.29	36

¹Total window U-value with EnergyPlus Low-E glass, 90% argon fill and Super Spacer. ²May depend on window size.

CSA CERTIFICATION¹

Model	Performance Rating ²	Forced Entry Grade	Performance Rating ²	Forced Entry Grade
Double Hung	R-PG45, A2	10	LC-PG30, A2	10
Single Hung	R-PG50, A3	10	LC-PG40, A2	10
Picture	R-PG70, FX	40	CW-PG70, FX	40

¹Tested to AAMA/WDMA/CSA 101/I.S.2/A440-08 and CSA A440S1-09. ²Performance rating varies by size tested.



4 Internal Maxum33 steel lineal reinforcement at the sash interlock.

PRECISION-ENGINEERED FOR SUPERIOR QUALITY AND ENERGY SAVINGS

- 1 Inner and outer accessory grooves for optional finishing accessories.
- 2 Sash vent stops limit opening to 4".
- 3 Tilt-in sashes allow for easy cleaning of the glass from inside the home.
- 4 Steel-reinforced interlock on windows 26" or wider with two locks and keepers for snug fit and durability.
- 5 Double-glazed 7/8" insulated glass units featuring advanced Super Spacer warm-edge design create an effective thermal barrier to restrict transfer of heat and cold; EnergyPlus glass (soft-coat Low-E and argon gas) offers enhanced energy-efficient technology.
- 6 Full-width lift rails for easy operation.
- 7 IntegraWeld fusion-welded frame (3.25") and sash corners add extra structural strength and increase precision in the frame and sash.
- 8 Standard pocket sill (welded).
- 9 Easy-lift constant force balance system ensures years of easy, smooth operation of the sash.

ADDITIONAL FEATURES

- Premium vinyl frame and sashes never need painting and will not rust, peel or corrode.
- Tilt-in top and bottom sashes allow safe and 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.

Visual Transmission (VT) The percentage or fraction of the visible spectrum weighted by the sensitivity of the eye, that is transmitted through the glazing. Test results may vary for windows with grids.

CR (Condensation Resistance) An indication of a window's ability to resist condensation. The higher the CR, the less likely condensation is to occur.

Solar Heat Gain Coefficient (SHGC) The fraction of radiation admitted through a window, both directly transmitted and absorbed and subsequently released inward. The lower a window's SHGC, the less solar heat it transmits and the greater its shading ability. Test results may vary for windows with grids.

U-Factor (also referred to as U-value) The rate of heat flow through a glazing system. The lower the value, the better the insulating quality. U-factor can be compared to R-value by dividing 1 by the U-factor. For example, a U-factor of 0.5 equals an R-value of 2.

ER Rating (Energy Rating) A measure of a window's overall performance based on three factors: 1) solar heat gain, 2) heat loss through frames, spacers and glass, and 3) air leakage heat loss. A positive ER rating means the window adds more heat to the home than it loses during heating season. A negative ER rating means the window loses more heat than it gains during heating season.



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.



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.



OPTIONAL TILT AND TURN SLIDER WINDOWS

- Sash lock allows all sashes to swing in easily for cleaning.
- Available in single and double sliders.



WINDOW PERFORMANCE

AAMA/NFRC

Model	VT	CR	SHGC	U-Value ¹	ER ²
Double Slider lift-out	.57	59	.51	.30	31
Double Slider tilt and turn	.57	59	.51	.30	31
Single Slider lift-out	.61	59	.54	.30	33
Single Slider tilt and turn	.61	58	.55	.30	33
Picture	.67	62	.56	.29	36

¹Total window U-value with EnergyPlus Low-E glass, 90% argon fill and Super Spacer. ²May depend on window size.

CSA CERTIFICATION¹

Model	Performance Rating ²	Forced Entry Grade	Performance Rating ²	Forced Entry Grade
Double Slider lift-out	R-PG25, A2	10	R-PG15, A2	10
Double Slider tilt and turn	R-PG20, A2	10	R-PG15, A2	10
Single Slider lift-out	R-PG40, A3	40	R-PG20, A3	10
Single Slider tilt and turn	R-PG25, A3	10	LC-PG25, A3	10
Picture	R-PG70, FX	40	CW-PG70, FX	40

¹Tested to AAMA/WDMA/CSA 101/I.S.2/A440-08 and CSA A440S1-09. ²Performance rating varies by size tested.



4 Steel-reinforced interlock



6 Solid brass tandem rollers

PRECISION-ENGINEERED FOR SUPERIOR QUALITY AND ENERGY SAVINGS

- 1 Inner and outer accessory grooves for optional finishing accessories.
- 2 Full-height pull rails for easy operation.
- 3 Double-glazed 7/8" insulated glass units featuring advanced Super Spacer warm-edge design create an effective thermal barrier to restrict transfer of heat and cold; EnergyPlus glass (soft-coat Low-E and argon gas) offers enhanced energy-efficient technology.
- 4 Steel-reinforced interlock on windows 26" or higher with two locks and keepers for snug fit and durability.
- 5 IntegraWeld fusion-welded frame (3.25") 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.

ADDITIONAL FEATURES

- 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.

Visual Transmission (VT) The percentage or fraction of the visible spectrum weighted by the sensitivity of the eye, that is transmitted through the glazing. Test results may vary for windows with grids.

CR (Condensation Resistance) An indication of a window's ability to resist condensation. The higher the CR, the less likely condensation is to occur.

Solar Heat Gain Coefficient (SHGC) The fraction of radiation admitted through a window, both directly transmitted and absorbed and subsequently released inward. The lower a window's SHGC, the less solar heat it transmits and the greater its shading ability. Test results may vary for windows with grids.

U-Factor (also referred to as U-value) The rate of heat flow through a glazing system. The lower the value, the better the insulating quality. U-factor can be compared to R-value by dividing 1 by the U-factor. For example, a U-factor of 0.5 equals an R-value of 2.

ER Rating (Energy Rating) A measure of a window's overall performance based on three factors: 1) solar heat gain, 2) heat loss through frames, spacers and glass, and 3) air leakage heat loss. A positive ER rating means the window adds more heat to the home than it loses during heating season. A negative ER rating means the window loses more heat than it gains during heating season.



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 classic 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, multi-point locking system.



Functional and durable high-performance operating mechanism.



Standard fold-down handle with nesting cover.



WINDOW PERFORMANCE

AAMA/NFRC

Model	VT	CR	SHGC	U-Value ¹	ER ²
Casement	.53	59	.48	.28	32
Fixed Casement	.62	60	.56	.29	36

¹Total window U-value with EnergyPlus Low-E glass, 90% argon fill and Super Spacer. ²May depend on window size.

CSA CERTIFICATION¹

Model	Performance Rating ²	Forced Entry Grade	Performance Rating ²	Forced Entry Grade
Casement	R-PG55, A3	10	CW-PG45, A3	10
Fixed Casement	R-PG80, FX	40	CW-PG75, FX	40

¹Tested to AAMA/WDMA/CSA 101/I.S.2/A440-08 and CSA A440S1-09. ²Performance rating varies by size tested.



PRECISION-ENGINEERED FOR SUPERIOR QUALITY AND ENERGY SAVINGS

- 1 Concealed hinges open 90 degrees (on windows 16" wide or more); exterior glass is easy to clean from inside.
- 2 Inner and outer accessory grooves for optional finishing accessories.
- 3 Multi-point locking system.
- 4 Double-glazed 7/8" insulated glass units featuring advanced Super Spacer warm-edge design create an effective thermal barrier to restrict transfer of heat and cold; EnergyPlus glass (soft-coat Low-E and argon gas) offers enhanced energy-efficient technology.
- 5 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.
- 7 Optional (no charge) black weatherstripping.

ADDITIONAL FEATURES

- 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.

Visual Transmission (VT) The percentage or fraction of the visible spectrum weighted by the sensitivity of the eye, that is transmitted through the glazing. Test results may vary for windows with grids.

CR (Condensation Resistance) An indication of a window's ability to resist condensation. The higher the CR, the less likely condensation is to occur.

Solar Heat Gain Coefficient (SHGC) The fraction of radiation admitted through a window, both directly transmitted and absorbed and subsequently released inward. The lower a window's SHGC, the less solar heat it transmits and the greater its shading ability. Test results may vary for windows with grids.

U-Factor (also referred to as U-value) The rate of heat flow through a glazing system. The lower the value, the better the insulating quality. U-factor can be compared to R-value by dividing 1 by the U-factor. For example, a U-factor of 0.5 equals an R-value of 2.

ER Rating (Energy Rating) A measure of a window's overall performance based on three factors: 1) solar heat gain, 2) heat loss through frames, spacers and glass, and 3) air leakage heat loss. A positive ER rating means the window adds more heat to the home than it loses during heating season. A negative ER rating means the window loses more heat than it gains during heating season.



AWNING WINDOWS

Opening up and out, awning windows offer a unique decorating accent while also providing convenient ventilation with just the 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 window tight.



Heavy-duty operating hardware.



Optional fold-down handle with nesting cover.



WINDOW PERFORMANCE

AAMA/NFRC

Model	VT	CR	SHGC	U-Value ¹	ER ²
Awning	.53	57	.48	.28	32

¹Total window U-value with EnergyPlus Low-E glass, 90% argon fill and Super Spacer. ²May depend on window size.

CSA CERTIFICATION¹

Model	Performance Rating ²	Forced Entry Grade	Performance Rating ²	Forced Entry Grade
Awning	R-PG70, A3	10	LC-PG35, A3	10

¹Tested to AAMA/WDMA/CSA 101/1.S.2/A440-08 and CSA A440S1-09. ²Performance rating varies by size tested.



PRECISION-ENGINEERED FOR SUPERIOR QUALITY AND ENERGY SAVINGS

- 1 IntegraWeld four-point fusion-welded corners add structural strength and increase precision in the frame and sash.
- 2 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.
- 5 Double-glazed 7/8" insulated glass units featuring advanced Super Spacer warm-edge design create an effective thermal barrier to restrict transfer of heat and cold; EnergyPlus glass (soft-coat Low-E and argon gas) offers enhanced energy-efficient technology.

ADDITIONAL FEATURES

- 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.

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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.

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



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.



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.



Cameo White



Dusk



Beach



Sandstone



PRECISION-ENGINEERED FOR SUPERIOR QUALITY AND ENERGY SAVINGS

- 1 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 enhance thermal efficiency and energy savings.
- 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 is available for added warmth and energy efficiency.
- 6 Head and seatboard are finished in Oak or Birch veneers and ready for painting or staining.**

ADDITIONAL FEATURES

- Slimline reinforced mullion design provides superior strength and support for the selected components.
- Insulated glass unit with trapped air space achieves year-round comfort and energy savings.
- Available in a wide selection of elegant interior and exterior colours.



The exterior roof system is available with copper or painted aluminum roof clad kits.



BASEMENT AND HOPPER WINDOWS

With superior strength and insulating performance, Regency basement and hopper windows offer the ideal way to add natural light and ventilation to the lower levels of your home.



Basement Windows

Intended for use at or below grade, the top-hinge 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.



BASEMENT WINDOW PERFORMANCE

AAMA/NFRC

Model	VT	CR	SHGC	U-Value ¹
Basement	.54	62	.48	.29

¹Total window U-value with EnergyPlus Low-E glass, 90% argon fill and Super Spacer.

HOPPER WINDOW PERFORMANCE

AAMA/NFRC

Model	VT	SHGC	U-Value ¹	ER ²
Hopper	.54	.48	.29	30

¹Total window U-value with EnergyPlus Low-E glass, 90% argon fill and Super Spacer. ²May depend on window size.



Basement Window



Hopper Window



Visual Transmission (VT) The percentage or fraction of the visible spectrum weighted by the sensitivity of the eye, that is transmitted through the glazing. Test results may vary for windows with grids.

CR (Condensation Resistance) An indication of a window's ability to resist condensation. The higher the CR, the less likely condensation is to occur.

Solar Heat Gain Coefficient (SHGC) The fraction of radiation admitted through a window, both directly transmitted and absorbed and subsequently released inward. The lower a window's SHGC, the less solar heat it transmits and the greater its shading ability. Test results may vary for windows with grids.

U-Factor (also referred to as U-value) The rate of heat flow through a glazing system. The lower the value, the better the insulating quality. U-factor can be compared to R-value by dividing 1 by the U-factor. For example, a U-factor of 0.5 equals an R-value of 2.

ER Rating (Energy Rating) A measure of a window's overall performance based on three factors: 1) solar heat gain, 2) heat loss through frames, spacers and glass, and 3) air leakage heat loss. A positive ER rating means the window adds more heat to the home than it loses during heating season. A negative ER rating means the window loses more heat than it gains during heating season.

PRECISION-ENGINEERED FOR SUPERIOR QUALITY AND ENERGY SAVINGS

Basement Window

- 1 Double-glazed 7/8" insulated glass unit featuring advanced Super Spacer warm-edge design creates an effective thermal barrier to restrict transfer of heat and cold; EnergyPlus glass (double-layered soft-coat Low-E and argon gas) offers enhanced energy-efficient technology.
- 2 Sweep-type lock at the bottom of window locks and unlocks the operating sash.
- 3 IntegraWeld fusion-welded frame and sash corners add extra structural strength and increase precision in the frame and sash.

Hopper Window

- 1 Double-glazed 7/8" insulated glass unit featuring advanced Super Spacer warm-edge design creates an effective thermal barrier to restrict transfer of heat and cold; EnergyPlus glass (double-layered soft-coat Low-E and argon gas) offers enhanced energy-efficient technology.
- 2 Hinge-free pivot shoe design ensures smooth operation.
- 3 IntegraWeld fusion-welded frame and sash corners add extra structural strength and increase precision in the frame and sash.

DECORATIVE OPTIONS

Our beautifully appointed collection of decorative options lets you give your windows your personal touch. Choose from a wide variety of colours, grids, glass and other accessories to design the ideal window system.

White

Beige

Maize

Pebble

Wicker

Sandalwood

Storm

Chestnut Brown

Commercial Brown

Dark Oak – laminate
(interior only)

EXTRUDED COLOURS

Regency offers two fully extruded colours in White and Beige. The colour is formulated throughout the vinyl sashes and masterframe for long-lasting beauty and performance.



STANDARD PAINT COLOURS

For added exterior design options, choose from our seven standard paint colours available in Maize, Pebble, Wicker, Sandalwood, Storm, Chestnut Brown and Commercial Brown. Interior colours are extruded White and Beige, or select an optional Dark Oak woodgrain laminate to further enhance the style of your home.

CUSTOM PAINT COLOURS

Have a special colour in mind for the exterior of your windows? Regency windows can be custom painted to match any of Gentek's exterior trim colours, allowing you to achieve a truly upscale appearance for your home. Interior colour choices are extruded White and Beige, or an optional Dark Oak woodgrain laminate.



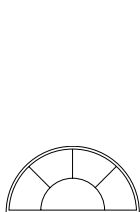
Colours are reproduced by lithographic process and may vary slightly from colours of actual product.

ARCHITECTURAL SHAPES

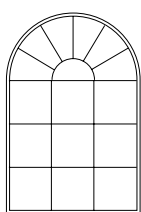
There's nothing quite like Special Shape windows to add a dramatic touch of style to your home. Beautifully crafted with attention to architectural detail, Special Shapes can be used alone or combined with other windows to transform the appearance of your home – both inside and out.



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.



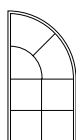
Circle Top



Circle Top with Extended Leg



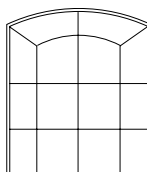
Quarter Arch



Quarter Arch with Extended Leg



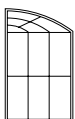
Eyebrow



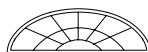
Eyebrow with Extended Leg



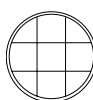
Half Eyebrow



Half Eyebrow with Extended Leg



Ellipse



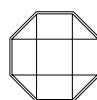
Full Circle



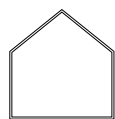
Oval



Hexagon



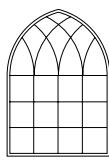
Octagon



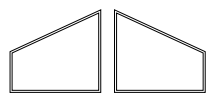
Pentagon



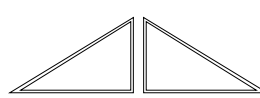
Cathedral



Cathedral with Extended Leg



Trapezoid Left and Right



Triangle Left and Right

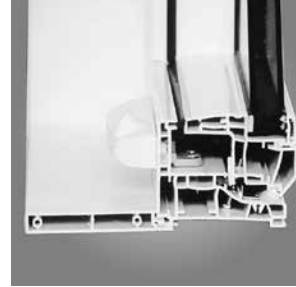
WINDOW ACCESSORIES

Regency windows feature a generous selection of jamb extensions, brickmoulds and other accessories for the ideal finished look, as well as installation ease in a variety of applications.

PREMIUM VINYL JAMB EXTENSIONS

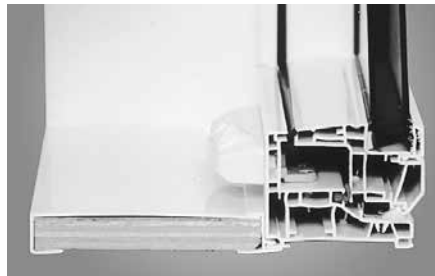


1-1/4" premium vinyl jamb extension installed in the interior accessory groove gives an overall (OAT) depth of 4-1/2".

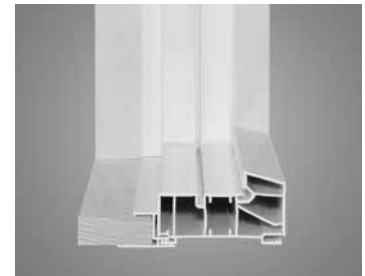


3-5/16" premium vinyl jamb extension installed in the interior accessory groove gives an overall (OAT) depth of 6-9/16".

VINYL CLAD WOOD JAMBS

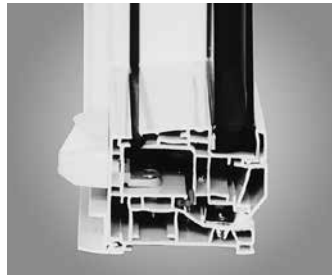


The addition of a vinyl clad jamb extension to the interior of the window allows the depth to be expanded from 4-1/2" to 11-1/4".

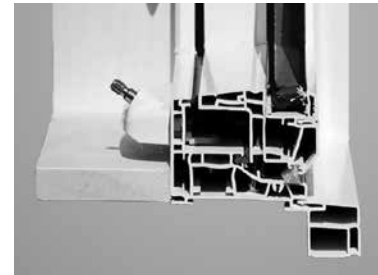


Wood jamb in Pine, Oak and paint grade. Jamb extensions are 1-1/4" to 8".

DRYWALL/WOOD RETURNS

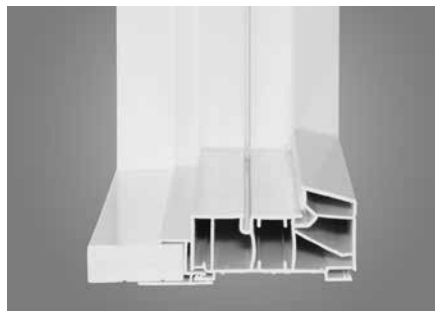


Drywall and wood returns will snap into the frame's accessory groove, providing for a neat, snug finish between the window and drywall or wood trim. Available in 1/2" and 3/4" sizes.



With the brickmould exterior option and an interior clad jamb extension, the overall depth can be increased to 12-1/2".

COMPOSITE JAMB EXTENSION



The addition of a composite jamb extension to the interior of the window allows the depth to be expanded from 4-1/2" to 9-3/4".

ACCESSORIES

- Brickmould (factory installed)
- With or without nailing flange
- 1/2" and 3/4" drywall and wood returns

Jamb Extensions:

- 1-1/4" vinyl jamb extension for 4-1/2" OAT
- 3-5/16" vinyl jamb extension for 6-9/16" OAT
- Variable vinyl jamb extension – up to 7-1/4" OAT
- Composite jamb extension – up to 9-3/4" OAT
- Wood clad jamb extension – up to 11-1/4" OAT
- Wood jambs

FACTORY-INSTALLED WELDED BRICKMOULD



Factory-installed welded brickmould includes a pre-drilled nailing flange.



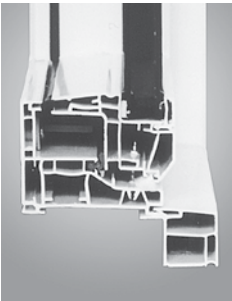
J-trim brickmould.



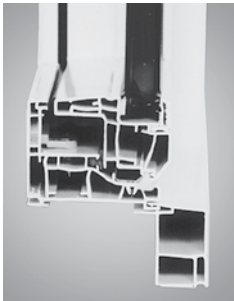
Narrow brickmould.



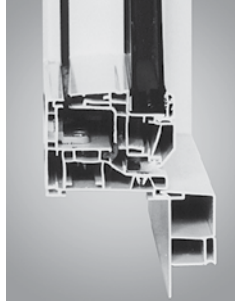
Renovation brickmould.



Standard brickmould with nailing flange removed for brick and stucco applications.



2 inch brickmould with nailing flange removed for brick and stucco applications.



2 inch brickmould with predrilled nailing flange.



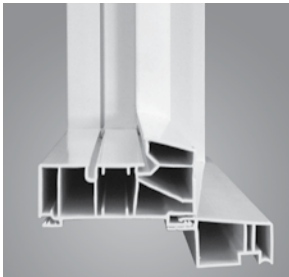
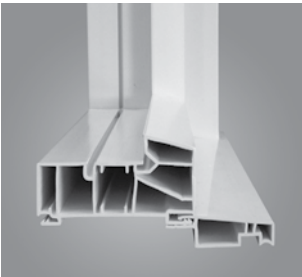
3-1/2 inch brickmould.

SLOPED SILLS

1/2 inch Sloped Sill

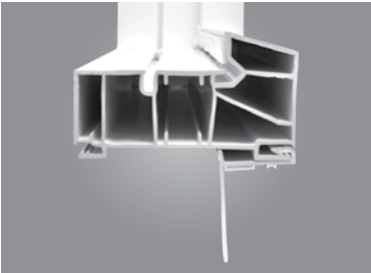
7/8 inch Sloped Sill

4-1/2 inch Exterior Extension



The 1/2 inch and 7/8 inch sloped sills are available to order with the standard brickmould, 2 inch brickmould and renovation brickmould.

NAIL FIN ONLY



Nail fin allows for new construction installation.

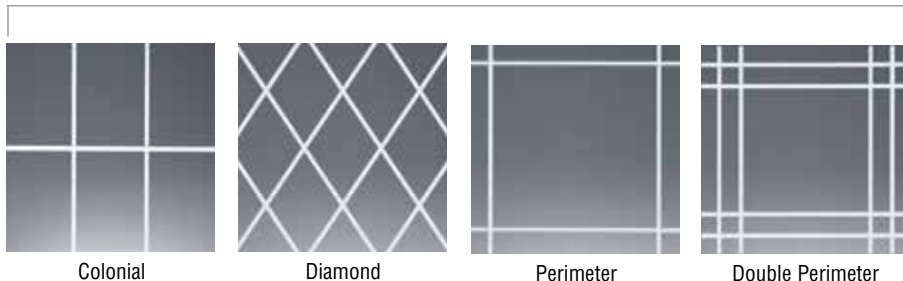


INTERIOR GRIDS

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.

Flat grids are available in complementary White or Beige. Contoured Euro grids, featuring a modeled “cut-wood” look, are available in complementary colours and in a matching Dark Oak woodgrain. Regency also offers Rectangular grids in Brass, Pewter and White. All grids are enclosed within the insulated glass unit for easy cleaning. Please see your dealer for available colour options.

GRID PATTERNS



Colonial

Diamond

Perimeter

Double Perimeter

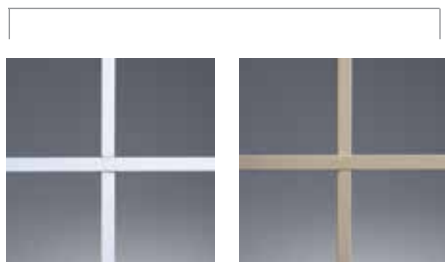
Decorative Grid Pattern Options:

Colonial – available in Flat, Euro and Rectangular grids

Diamond – available in Flat grids

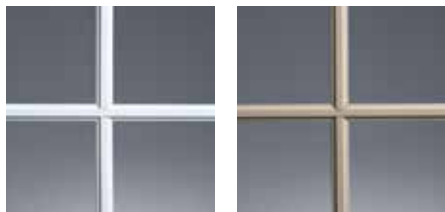
Perimeter and Double Perimeter – available in Flat, Euro and Rectangular grids

GRID PROFILES



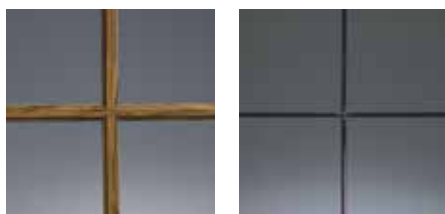
Flat White

Flat Beige



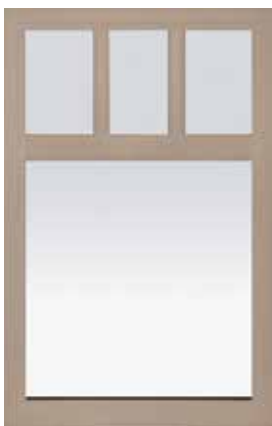
Euro Contoured White

Euro Contoured Beige



Euro Contoured
Dark Oak

Rectangular Pewter



Simulated Divided Lite

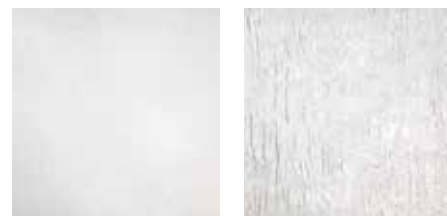
Available in White and Beige as well as our seven standard painted colours.

Painted Grids

Flat and contoured painted grid exteriors are available in Commercial Brown, Pebble, Maize, Black, Wicker Flatstock, Sandalwood, Chestnut Brown, Storm, Windswept Smoke, Sable, Sandstone, Beige and Iron Ore. (Grid interior colour is White.)

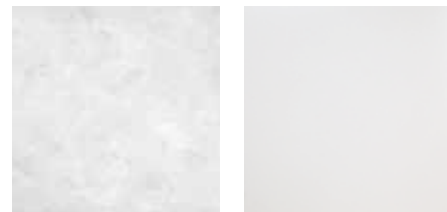
PRIVACY GLASS OPTIONS

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 four glass designs to beautifully complement your room.



Obscure

Niagara



Gluechip

Satin

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

V-GROOVED CUT GLASS

Regency windows also feature a variety of cut or polished V-grooved glass patterns – an easy way to add subtle elegance to your windows without obstructing the view.



Colonial

Diamond



Perimeter

Double Perimeter