

80 Series

FUSION-WELDED VINYL WINDOWS

BEAUTIFULLY BUILT FOR EXCEPTIONAL STYLE, STRENGTH AND ENERGY SAVINGS



OUR WINDOWS. YOUR PEACE OF MIND.

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.



80 SERIES

FUSION-WELDED VINYL WINDOWS

In 80 Series windows, you have discovered a window that will reduce your energy use while enhancing the beauty of your home, inside and out. Masterfully crafted with a premium vinyl construction, fusion-welded technology and high-performance glass, 80 Series will exceed your every expectation for quality and value.

EXPERIENCE YOU CAN TRUST

When you buy 80 Series windows, you know you're getting more than just a frame, sashes and glass. You're getting the knowledge and technical skill of Gentek's Product Development Group – experts with a proven track record of designing, building and testing superior, energy-efficient windows. These specialists know that to build the best windows, you have to start with the best materials and components. Their experience is your assurance of total satisfaction.

FUTURE-FORWARD WINDOW SYSTEMS FOR ADVANCED ENERGY SAVINGS

80 Series windows incorporate precision-engineered components for a powerful thermal shield that keeps homes cooler in the summer and warmer in the winter with less energy use. Beginning with the fusion-welded masterframe and sashes, the weathertight construction features multi-chambered extrusions that trap dead air for an effective insulating barrier. Double-pile weatherstripping, interlocking sash meeting rails and ultra-efficient glass further prevent energy loss.

GO GREEN

Exceptionally energy-smart and weathertight, Gentek vinyl replacement windows not only reduce fuel consumption needed to heat and cool homes, they also boast a long service life and achieve optimal material use and minimal waste in production. Virtually all in-plant vinyl scrap is recycled into other useful products, further reducing the environmental impact of waste. Vinyl windows also are eco-friendly because vinyl resin is derived largely from common salt – a sustainable and abundant natural resource!¹

¹Source: A Clear View – Vinyl Windows and the Environment. American Architectural Manufacturers Association (AAMA) and the Vinyl Institute (VI).



INNOVATIONS IN STYLE AND STRENGTH

- 1 Premium vinyl masterframe and sashes are coloured throughout – won't chip, peel, crack or warp and never need to be painted.
- 2 Multi-chambered masterframe and sash construction create effective insulating air spaces for thermal efficiency.
- 3 1" thick insulated glass unit with optimal air space improves year-round performance.
- 4 Intercept® Warm-Edge Spacer System helps block the transfer of heat and cold for reduced energy use.
- 5 Interlock at sash locking rail increases strength and reduces air infiltration.
- 6 Metal reinforcement in the locking rail provides rigidity and strength.
- 7 Fully extruded dual lift rails ensures easy and convenient operation of the sash.
- 8 Drop-in glazing for added energy efficiency and interior aesthetic appeal.
- 9 Full capture sill enhances protection from air and water infiltration.
- 10 Hidden screen track for added beauty.

ADDITIONAL FEATURES

- Fusion-welded frame and sashes for increased strength and structural integrity.
- 3-3/8" frame depth for multiple applications.
- Side-load sash operates on two concealed, pre-calibrated block and tackle sash balances.
- Double-pile weatherstripping at the meeting rails for added thermal protection.
- 1" thick glazing standard – triple glazing also is available.
- Side-load bottom sash makes cleaning convenient from inside the home.
- Water management system with offset drainage to the exterior.

INSTALLATION EASE

80 Series windows come standard with a 1-3/8" nail fin. For enhanced appearance and ease of installation, three additional options – 1" set back nail fin, stucco fin and a block frame – also are offered.



1-3/8" Nail Fin (standard)



1" Set Back Nail Fin



Stucco Fin



Block Frame



80 Series windows are available with a variety of glass options. Your Gentek Sales Representative can help you choose the ideal glass package to meet the ENERGY STAR® requirements for your home and climate zone.



CHOOSE YOUR IDEAL GLASS PACKAGE

Windows are about 80% glass, so it's important to choose a glass system that meets the specific challenges of your climate. Upgrading your windows with a BarrierXP® insulated glass package will further optimize your windows.

BarrierXP combines multi-layered, low-emissivity (Low-E) glass, argon gas* and the Intercept Warm-Edge Spacer System for improved energy efficiency compared to a standard clear glass unit. At the same time, Low-E reduces damaging UV rays that cause carpets and furnishings to fade.

Our EnergyPlus™ QUATTRO glass packages are also optimized for maximum energy savings. Featuring two surfaces of Low-E technology and a structural foam spacer, this ultra-efficient, double-glazed system can achieve triple-glazed glass performance and significantly increase the Energy Rating (ER) value. See your Gentek representative more details. 



Winter Energy Savings:
Low-E insulating glass reduces heat loss by reflecting warm air back into your home.

Summer Energy Savings:
Low-E helps block unwanted solar heat penetration to help cut air-conditioning usage.

HIGH-PERFORMANCE SPACER SYSTEMS

Another key component to a window's energy efficiency is the spacer system.



The Intercept Warm-Edge Spacer features a unique, one-piece metal alloy, U-channel design that reduces heat loss through the window. It's stronger and better at retaining insulating gas than many conventional spacers, and is nearly 25% more effective than a traditional metal spacer at the edge of the glass unit.

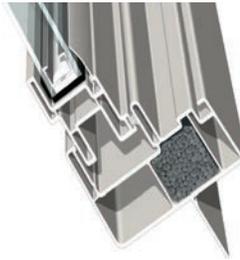
The Optional Foam Spacer combines a structural foam spacer with a seal of hot melt butyl to create a "warm" non-conductive edge. This non-metal design eliminates any metal-to-glass contact, thereby increasing the edge of the glass temperature by more than 16° – resulting in 60% more energy efficiency than a traditional box metal spacer.

SAVE MORE ENERGY WITH BARRIERXP GLASS

BarrierXP insulated glass packages have proven to be far more effective than ordinary clear glass units. The lower the U-factor, 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.

80 Series Glass Performance Comparison²

	Single Hung		Sliding	
	U-Factor	SHGC	U-Factor	SHGC
BarrierXP LT	0.35	0.31	0.35	0.31
BarrierXP	0.31	0.31	0.31	0.31
BarrierXPsc	0.31	0.22	0.31	0.22
BarrierXP iE	0.31	0.31	0.31	0.31
BarrierXP Plus	0.30	0.31	0.30	0.31
BarrierXPsc Plus	0.29	0.22	0.29	0.22
BarrierXP TG2 ³	0.24	0.26	0.24	0.26
BarrierXP TG2 Plus ³	0.22	0.26	0.22	0.26
BarrierXP HSG ³	0.33	0.54	0.33	0.54



BarrierXP iE features carbonized foam liners in select masterframe channels for increased energy efficiency.

Traditional Competitive Products

	U-Factor	SHGC	U-Factor	SHGC
Single Pane	0.85	0.61	0.85	0.61
Clear Insulated	0.48	0.61	0.48	0.59

² Whole window values/single-strength glass. ³ Whole window values/double-strength glass.

Glass Package Terminology

BarrierXP LT: Soft coat, multi-layer vacuum deposition Low-E glass and the Intercept Spacer System.

BarrierXP: Soft coat, multi-layer, vacuum deposition Low-E glass with argon gas and Intercept Spacer System.

BarrierXPsc: Soft coat, SHGC multi-layer, vacuum deposition Low-E glass with argon gas and Intercept Spacer System.

BarrierXP iE: Soft coat, multi-layer, vacuum deposition Low-E glass with argon gas and Intercept Spacer System. Carbonized foam insulating liners in select frame channels.

BarrierXP Plus: Soft coat, multi-layer, vacuum deposition Low-E glass with argon gas and Foam Spacer System.

BarrierXPsc Plus: Soft coat, SHGC multi-layer, vacuum deposition Low-E glass with argon gas and Foam Spacer System.

BarrierXP TG2: Triple-glazed unit with two surfaces of Low-E glass and two air spaces of argon gas with the Intercept Spacer System.

BarrierXP TG2 Plus: Triple-glazed unit with two surfaces of Low-E glass and two air spaces of argon gas with the Foam Spacer System.

BarrierXP HSG: High Solar Gain Low-E glass with argon gas and Intercept Spacer System.

Single Pane: Clear, single-pane unit.

Clear Insulated: Clear, double-pane insulated glass unit.



BarrierXP triple-glazed units deliver exceptional energy savings and thermal performance and are available with an Intercept Warm-Edge Spacer or optional Foam Spacer.





PICTURE, FIXED LITES AND SPECIAL SHAPE WINDOWS

80 Series picture windows will lend a dramatic focal point to your room. Paired with a beautiful outdoor view and an infusion of natural light, large picture windows can transform your home by creating a spacious and airy ambiance. Add special shape windows and fixed lites to expand your window design and create an upscale appearance.



Large, beautiful picture windows expand your view without sacrificing comfort.

- Fusion-welded masterframe eliminates potential leak points at sill corners for improved energy efficiency and easy water drainage.
- Multi-walled extrusions provide superb welding strength and structural integrity.
- 1-1/8" wide nailing fin is welded in all four corners to ensure weathertight performance.
- 1" thick insulated glass with warm-edge technology helps deliver year-round energy savings.
- Narrow sight-lines for a clear, expanded view.
- Combine special shape windows and fixed lites for dramatic appeal.

Model A780 Picture Window**

	Width	Height	U.I.
Minimum	10	10	
Maximum	119.5	119.5	180

Unit size is 1/2" smaller than rough opening.

SPECIAL SHAPES



Full Round



Half Round



Quarter Arch



Round Top



Octagon



Pentagon



Trapezoid



Triangle

SLIDER WINDOWS

Available in 2- and 3-lite styles, 80 Series slider windows feature a generous glass area that offers a great outdoor view. Distinctive for their smooth horizontal gliding action, slider windows also feature sashes that lift out for easy cleaning.

- Fusion-welded masterframe and sashes eliminate potential leak points at sill corners for improved energy efficiency and easy water drainage.
- Multi-walled extrusions provide superb welding strength and structural integrity.
- Integral pull handle for easy and convenient opening and closing of the window.
- Integral full-length interlock with double-pile weatherstripping increases strength and thermal performance.
- Specially designed brass tandem roller system ensures smooth operation.
- Cam lock and keeper for a tight seal and increased energy efficiency.



Slider windows combine casual elegance with a strong, weathertight construction.



Model A282 Slider Window**

	Width	Height	U.I.
Minimum	20	14.5	
Minimum	29.5	10.5	
Maximum	72	72	144

Unit size is 1/2" smaller than rough opening.



Optional self-locking Positive Action Lock (PAL) shown unlocked and locked. Window unit closes and automatically locks in one action.

Model A283 Slider Window**

	Width	Height	U.I.
Minimum	40	10.5	
Maximum	143.5	71.5	204

Unit size is 1/2" smaller than rough opening.



SINGLE HUNG WINDOWS

With simplicity and ease, 80 Series single hung windows will beautify and protect your home. The classic elegance of single hung windows complements a variety of architectural styles – from contemporary to rustic.



The traditional character and charm of the single hung window will enhance any room of your home.



Optional PAL locks shown unlocked and locked.

- Fusion-welded masterframe and sashes eliminate potential leak points at sill corners for improved energy efficiency and easy water drainage.
- Multi-walled extrusions provide superb welding strength and structural integrity.
- 1" thick insulated glass with warm-edge technology helps deliver year-round energy savings.
- Side load sash operates on two concealed, pre-calibrated sash balances.
- Integral lift rails ensure easy and convenient raising and lowering of the sash.
- Cam lock and keeper for a tight seal and increased energy efficiency.
- Full weatherstripping on the perimeter provides greater energy savings.

Model A581 Single Hung Window**

	Width	Height	U.I.
Minimum	15	24	
Minimum	10.5	30	
Maximum	47.5	95.5	143

Unit size is 1/2" smaller than rough opening.





CASEMENT AND AWNING WINDOWS

80 Series casement and awning windows feature an easy-touch crank handle for a gentle outward opening of the sash. Combining casement or awnings with fixed lites will enhance your window design and allow ventilation.



Optional butterfly handle.

Model A682 Casement Window**

	Width	Height	U.I.
Minimum	14.5	17.5	
Maximum	35.5	71.5	107

Unit size is 1/2" smaller than rough opening.

Model A681 Awning Window**

	Width	Height	U.I.
Minimum	17.5	11.5	
Maximum	47.5	35.5	83

Unit size is 1/2" smaller than rough opening.

- Fusion-welded masterframe and sashes eliminate potential leak points at sill corners for improved energy efficiency and easy water drainage.
- Multi-walled extrusions provide superb welding strength and structural integrity.
- 1" thick insulated glass with warm-edge technology helps deliver year-round energy savings.
- Heavy-duty, multi-point locking system ensures a tight seal for added comfort.
- Multiple lite configurations are available in a single masterframe.



SLIDING PATIO DOORS

Featuring a clean-line design and ample glass exposure, our sliding patio doors will create a stylish entry for your home. A well-built patio door invites the natural beauty of outdoors inside, while providing a strong, energy-efficient barrier against inclement weather.



SLIDING PATIO DOOR

- Fusion-welded construction delivers long-lasting strength and durability.
- Sturdy 4-1/2" frame depth and 1" wide integral nailing fin with 1-3/8" set back for added structural integrity.
- Stucco fin option also is available.
- 1" thick insulated glass with warm-edge technology. Triple glazing also available.
- Adjustable dual tandem roller system on a stainless steel track ensures easy operation.
- Available in White, Almond or Desert Clay; a Bronze exterior with a White interior also is offered.
- Keyed handle lock and foot lock options.
- Two, three, and four-panel configurations available.

A WISE INVESTMENT

Like many people, your home may be one of your most important investments. Adding beautiful, low-maintenance windows can improve the curb appeal of your home while boosting its value. In most cases, you can expect to recover more than half of the cost of your replacement windows when it's time to sell.⁴

⁴The U.S. national average of the cost recouped for vinyl replacement windows is more than 72%, according to *Remodeling* magazine's "2020 Cost vs. Value Report."



LIFETIME LIMITED WARRANTY

80 Series windows are backed by a lifetime limited warranty – further assurance of lasting performance and genuine value. For complete warranty information,^{**} including limitations, ask your dealer for a copy of the 80 Series window warranty.

DECORATIVE WINDOW OPTIONS

FINISHES

80 Series windows are available in White, Almond and Desert Clay to complement your home, inside and out. Windows with a White or Almond interior colour also are available with Black, Architectural Bronze and Silver exterior finishes from our Gentek Portfolio[®] Colour Collection. The high-performance exterior hues are achieved with a cutting-edge polyurethane coating technology incorporating heat-reflective pigments to ensure a remarkably strong, fade-resistant and highly weatherable finish that's easy to clean.



EXTERIOR PALETTE



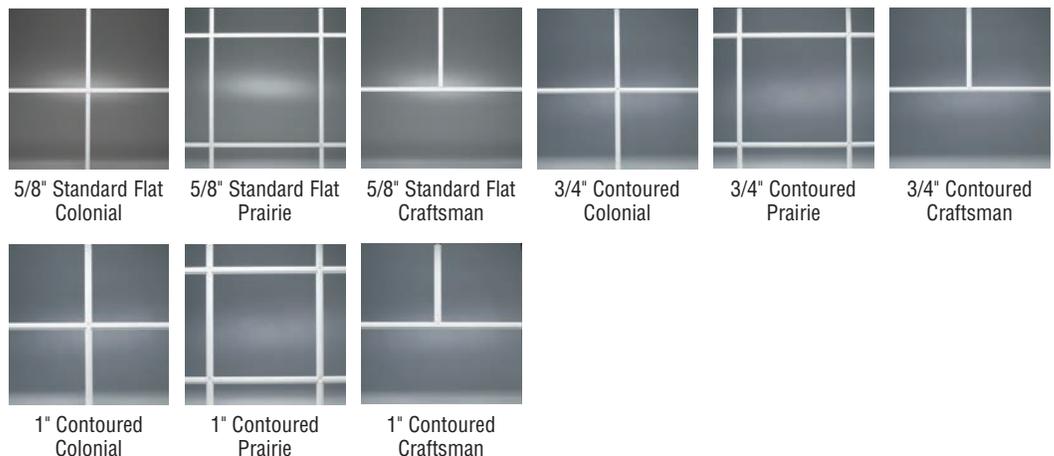
INTERIOR PALETTE



*Extruded solid colour. Note: Desert Clay base is not available with exterior colour finishes.

INTERIOR GRIDS

Decorative grids will lend style and dimension to your windows. Classic grids are available in White, Almond and Desert Clay as well as a standard 5/8" Bronze/White grid. All grid selections are offered in Colonial, Prairie and Craftsman patterns in a 5/8" standard flat grid, a 3/4" contoured grid and a 1" contoured grid.



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gentek.ca | *Make us a part of your home.*



^{*}Insulated Glass (IG) units that require capillary tubes may experience some argon gas depletion. ^{**}Multiple configurations also available. See your Gentek Sales Representative for details. [†]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. ^{††}For a copy of the written product warranty, please visit www.gentek.ca or contact your Gentek dealer. 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 window. Keep child away from open window. The only purpose of the screen is to minimize infiltration of insects. Intercept is a registered trademark of Vitro Architectural Glass. ENERGY STAR logo reproduced with permission of the Minister of Natural Resources Canada, 2004. Trademarks mentioned in this document are the property of Gentek Building Products, its affiliates or their respective owners. Accessible formats and communication supports are available upon request.