

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.



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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.¹ 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 help prevent energy loss.

GREEN INSPIRATION

Gentek windows and patio doors are performance-engineered to help conserve energy and reduce the consumption of fossil fuels used for heating and cooling homes. Using less energy to heat and cool your home not only saves money, it can reduce your home's carbon footprint as well. High-quality products with a long lifespan can also help lessen your impact on the environment.

Protecting our natural resources and choosing more sustainable products are just a few ways we can help safeguard our planet. Together, we can encourage ecological well-being with everyday actions of environmental stewardship.



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Gentek offers a variety of ENERGY STAR®-certified products. Consult your window professional for an energy-efficient glass package for your home and climate zone.



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 (nominal) insulated glass unit for year-round energy savings.
- 4 Intercept® Warm-Edge Spacer System helps protect against energy loss.
- 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 ensure easy and convenient operation of the sash.
- 8 Drop-in exterior glazing provides enhanced performance during inclement weather.
- 9 Full capture sill enhances protection from air and water infiltration.
- 10 Hidden screen track for added beauty.
- 11 Nailing fin welded at all corners for weathertight installations.

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 (nominal) 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" set back nail fin. For enhanced appearance and ease of installation, three additional options are also offered.



1-3/8" Set Back Nail Fin (standard)



1" Set Back Nail Fin



Stucco Fin



Block Frame



Optional PAL lock (shown locked and unlocked) makes it easy to close and lock the window in a single motion.



Optional ADA compliant PAL lock (shown locked and unlocked) with an adjustable pull cord to disengage the lock.

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 increase your energy savings. BarrierXP combines multi-layered, low-emissivity (Low-E) glass, argon gas² and the Intercept Warm-Edge Spacer System for improved energy efficiency compared to a standard clear glass unit.

Our EnergyPlus™ QUATTRO glass packages are also precision-engineered for superior 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 for 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 use.



HIGH-PERFORMANCE SPACER SYSTEMS

Another key component to a window's energy efficiency is the spacer system. 80 Series glass packages offer two options.

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 traditional box metal spacers.

The Optional Foam Spacer combines a structural foam spacer with a seal of hot melt butyl to create a "warm" low-conductive edge. This non-metal design eliminates any metal-to-glass contact, thereby increasing the edge of the glass temperature for a highly effective thermal barrier.

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 Comparison*

	Single Hung		Sliding	
	U-Factor	SHGC	U-Factor	SHGC
BarrierXP LT	0.35	0.33	0.35	0.33
BarrierXP	0.32	0.33	0.31	0.33
BarrierXPsc	0.31	0.22	0.31	0.22
BarrierXP iE	0.31	0.33	0.31	0.33
BarrierXP Plus	0.30	0.33	0.30	0.33
BarrierXPsc Plus	0.29	0.22	0.29	0.22
BarrierXP TG2 ³	0.24	0.28	0.23	0.28
BarrierXP TG2 Plus ³	0.23	0.28	0.22	0.28
BarrierXP HSG ³	0.32	0.53	0.32	0.53

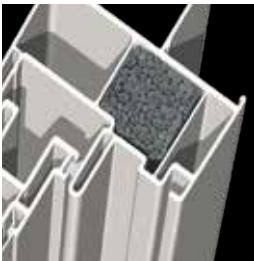
Traditional Competitive Products

Single Pane	0.85	0.61	0.85	0.61
Clear Insulated	0.48	0.61	0.48	0.59

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



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

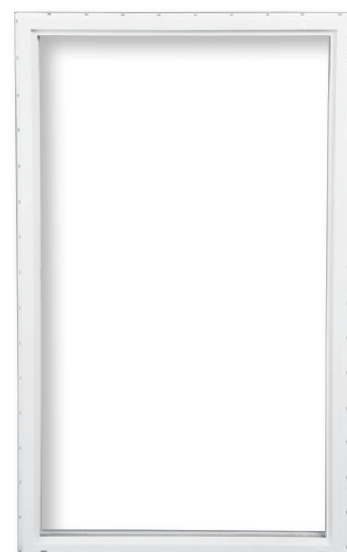




PICTURE, FIXED LITES AND SPECIAL SHAPE WINDOWS

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.

- Fusion-welded mainframe for increased strength and a clean, low-profile finished look.
- Multi-walled extrusions provide superb structural integrity.
- 1-1/8" wide nailing fin is welded in all four corners to ensure weathertight performance.
- 1" thick (nominal) insulated glass with warm-edge technology for year-round energy savings.
- Narrow sight-lines create a clear, expanded view.
- Combine special shape windows and fixed lites for a custom design.



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

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.³

- Fusion-welded mainframe and sashes for increased strength and a clean, low-profile finished look.
- Multi-walled extrusions provide superb structural integrity.
- Integral pull handle for easy 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.





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.

- Fusion-welded mainframe and sashes for increased strength and a clean, low-profile finished look.
- Multi-walled extrusions provide superb structural integrity.
- 1" thick (nominal) insulated glass with warm-edge technology for energy savings.
- Side load sash operates on two concealed, pre-calibrated sash balances.
- Integral lift rails ensure easy raising and lowering of the sash.
- Cam lock and keeper for a tight seal and energy efficiency.
- Full weatherstripping on the perimeter provides greater energy savings.



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

CASEMENT WINDOWS

80 Series casement windows feature an easy-touch crank handle for a gentle outward opening of the sash. Combine casement windows with fixed lites for an expanded window design that offers ample ventilation.

- An easy-to-operate, heavy-duty positive crank mechanism ensures smooth opening and closing of the sash.
- Stainless steel hardware delivers years of trouble-free hinge operation.
- Multi-walled extrusions provide superb strength, durability and structural integrity.
- An energy-efficient design with double compression bulb seal helps protect against air and water infiltration.
- Multiple lite configurations are available in a single mainframe.



Our beautifully crafted casement windows will elevate the style of your home, inside and out.



AWNING WINDOWS

Our versatile awning windows effortlessly blend classic style with innovative window technology. Opening up and out with a convenient crank handle, awning windows make it easy to add natural light and refreshing airflow to any room.

- Fusion-welded mainframe and sashes for increased strength and a clean, low-profile finished look.
- Heavy-duty, state-of-the-art hinge system provides easy opening and closing of the sash.
- A dual locking system on each side of the window offers added comfort.
- Combine with fixed lites to allow for convenient ventilation while creating a larger window design.
- Multiple lite configurations are available in a single mainframe.



Smooth and reliable sash operation is assured with a quality-crafted crank handle.





SLIDING PATIO DOORS

Featuring a clean-line design and ample glass exposure, our sliding patio doors will create a stylish entry for your home. This impeccably crafted door allows you to enjoy a beautiful outdoor view while protecting your home with a strong, energy-efficient barrier against inclement weather.

- Fusion-welded construction delivers long-lasting 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 is also available.
- 1" thick (nominal) insulated glass with warm-edge technology provides all-weather protection.
- Adjustable dual tandem roller system on an aluminum track ensures easy gliding action.
- Keyed handle lock and foot lock options.
- Two-, three- and four-panel configurations available.



Our patio doors expertly merge beautiful aesthetics, superb durability and easy operation.

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,⁴ including limitations, ask your dealer for a copy of the 80 Series window warranty.



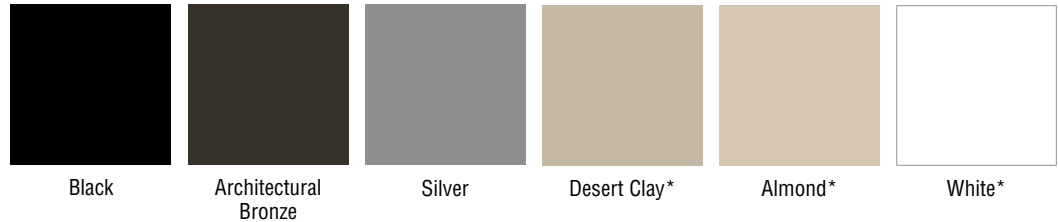
DECORATIVE WINDOW OPTIONS

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



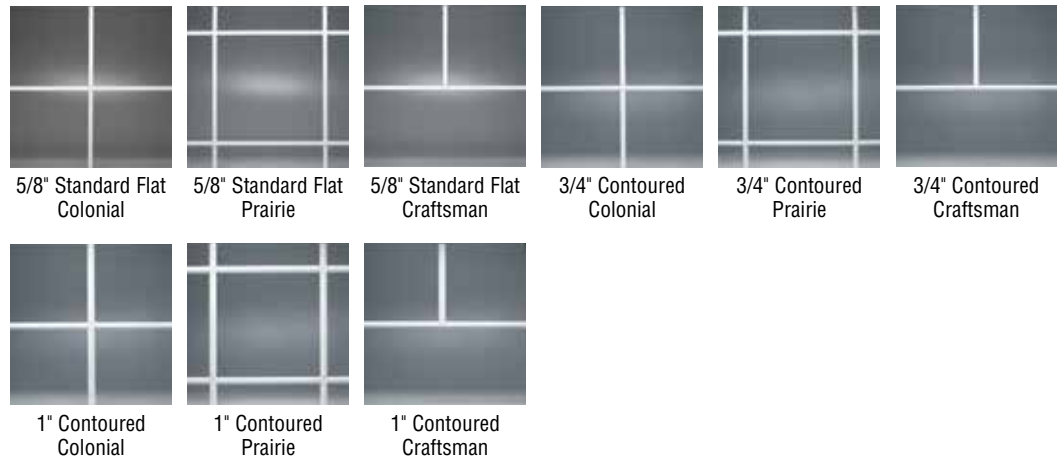
INTERIOR PALETTE



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

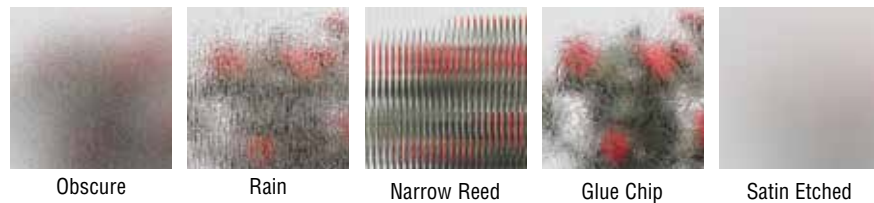
INTERIOR GRIDS

Decorative grids will lend style and dimension to your windows. Classic grids are available in White, Almond and Desert Clay. 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.



OBSCURE GLASS

Obscure glass styles offer privacy for bathrooms and other areas of your home without blocking the natural light.



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



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