

# 70 Series

FUSION-WELDED VINYL WINDOWS

SUPERB STYLE AND EXCEPTIONAL PERFORMANCE – WINDOWS FOR THE WAY YOU LIVE





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.



## IT'S AMAZING WHAT WINDOWS CAN DO

Performance-engineered windows protect us from intense heat, frigid cold and a wide range of challenging weather elements, yet allow us to enjoy the warmth and beauty of natural light from the comfort of our home. 70 Series windows deliver all of this and more, including year-round energy savings<sup>1</sup> and classic beauty that's virtually maintenance-free.

### PERFORMANCE BY DESIGN

- 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 creates effective insulating spaces for thermal efficiency.
- 3 3/4" 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 at the locking rail provides rigidity and strength.
- 7 Fully extruded lift rail ensures 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.
- 2-5/8" frame depth for multiple applications.
- Sash operates on two concealed, pre-calibrated block and tackle sash balances.
- Double-pile weatherstripping at the locking rail for added thermal protection.
- Side-load bottom sash makes cleaning convenient from inside the home.
- Water management system with offset drainage to the exterior.
- Indoor/outdoor removable fiberglass screens.

### INSTALLATION EASE

70 Series windows come standard with a 1-3/8" set back nail fin. For ideal installations in a variety of applications, four additional options also are offered.



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.



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

1-3/8" Set Back Nail Fin with J-Channel

7/8" Nail Fin

Stucco Fin

Block Frame

# CHOOSE AN ENERGY-EFFICIENT GLASS PACKAGE DESIGNED FOR YOUR HOME AND CLIMATE ZONE

Most windows are about 80% glass, so you'll want to carefully select your glass system to ensure superior energy savings. Our BarrierXP® glass package combines multi-layered, low-emissivity (Low-E) glass, argon gas<sup>2</sup> and the Intercept Warm-Edge Spacer System for increased energy efficiency compared to a standard clear glass unit. Low-E glass technology features a virtually clear, metallic coating that acts as a thermal mirror to help keep your home warmer in the winter and cooler in the summer with less energy consumption.

## THERMAL BARRIER SPACER SYSTEMS

Spacer systems not only enhance the thermal performance of a window by helping to block the conduction of heat, they also can improve the window's durability and strength. 70 Series offers two spacer 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 many traditional box 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.

## INCREASED ENERGY SAVINGS 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.

### 70 Series Glass Performance Comparison<sup>†</sup>

	Single Hung		Slider	
	U-Factor	SHGC	U-Factor	SHGC
Clear Insulated	0.48	0.63	0.49	0.63
BarrierXP LT	0.35	0.34	0.35	0.34
BarrierXP	0.31	0.34	0.31	0.34
BarrierXP iE	0.30	0.34	0.30	0.34
BarrierXPsc	0.30	0.22	0.30	0.22
BarrierXPsc Extreme <sup>††</sup>	0.31	0.15	0.31	0.15
BarrierXP Plus	0.30	0.34	0.30	0.34
BarrierXPsc Plus	0.29	0.22	0.29	0.22
BarrierXP HSG <sup>††</sup>	0.33	0.55	0.33	0.55

<sup>†</sup> Whole window values/single-strength glass.  
<sup>††</sup> Whole window values/double-strength glass.

### Glass Package Terminology

- Clear Insulated:** Clear, double-pane insulated glass unit.
- 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.
- 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.
- BarrierXPsc:** Soft coat, SHGC multi-layer, vacuum deposition Low-E glass with argon gas and Intercept Spacer System.
- BarrierXPsc Extreme:** Soft coat, multi-layer, vacuum deposition 340 Low-E glass, argon gas and Intercept Spacer System.
- 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 HSG:** High Solar Gain Low-E glass with argon gas and Intercept Spacer System.



**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.



### Raising the Standard with iE Technology

- Next-generation innovations.**  
BarrierXP iE features carbonized foam liners in select masterframe channels for increased energy efficiency. iE features expanded polystyrene (EPS) with graphite added to the raw material, resulting in a carbonized foam that reflects heat and significantly improves insulation performance.
- Highly efficient material.**  
Integrated graphite and foam cell structure provides excellent insulation capacity but uses less material.
- Reduced energy consumption.**  
iE helps lower heating and cooling demands – good for your fuel budget and the environment.





## PICTURE, FIXED LITES AND SPECIAL SHAPE WINDOWS

70 Series picture windows inspire visual appeal while expanding your outdoor viewing area. Picture windows invite the beauty of outdoors inside – without compromising the comfort and energy efficiency of your home. When you combine picture windows with fixed lites or special shapes, you'll create a focal point that lends distinctive style to your home, both inside and out.



Transform the appearance of your home with eye-catching picture windows.

- Full 45-degree fusion-welded masterframe delivers increased strength and energy efficiency.
- Multi-chambered extrusions improve thermal performance and structural integrity.
- 1" integral pre-punched nail flange for enhanced installation and a weathertight fit.
- 1" thick (nominal) insulated glass unit with warm-edge technology offers increased energy efficiency and noise reduction.
- Clean-line design creates a larger viewing area.
- Continuous frame on multiple unit configurations helps to enhance aesthetic appeal and thermal performance.

### SPECIAL SHAPES



Full Round



Half Round



Quarter Arch



Round Top



Octagon



Pentagon



Trapezoid



Triangle





Boasting a generous glass area, slider windows let you enjoy an unobstructed outdoor view.

## SLIDER WINDOWS

Smooth sliding action and full-view glass exposure make 70 Series slider windows a longtime favourite. Slider windows corner the market on easy operation, with a sash that glides horizontally to open and close. The moving sash also lifts out for convenient cleaning from inside your home.<sup>3</sup>

- Full 45-degree fusion-welded masterframe and sashes deliver increased strength and energy efficiency.
- 1" integral pre-punched nail flange for enhanced installation and a weathertight fit.
- 3/4" thick (nominal) insulated glass unit with warm-edge technology offers increased energy efficiency and noise reduction.
- Integral pull handle for ease of operation when opening and closing the window.
- Double-pile weatherstripping at the locking rail increases thermal performance.
- Adjustable tandem brass rollers in a non-corrosive housing ensures smooth operation.
- Sweep-style cam lock and keeper provides a tight seal and increased energy efficiency.



## SINGLE HUNG WINDOWS

Whatever your home's architectural style, 70 Series single hung windows will convey impeccable quality and taste. Built for everyday wear and tear, our single hung windows feature a heavy-duty construction that will stand the test of time.

- Full 45-degree fusion-welded masterframe and sashes deliver increased strength and energy efficiency.
- Multi-chambered extrusions improve thermal performance and structural integrity.
- 1" integral pre-punched nail flange for enhanced installation and a weathertight fit.
- 3/4" thick (nominal) insulated glass unit with warm-edge technology offers increased energy efficiency and noise reduction.
- Side load sash operates on two concealed, pre-calibrated sash balances.
- Integral lift handle for easy raising and lowering of the sash.
- Sweep-style cam lock and keeper provides a tight seal and increased energy efficiency.
- Sash perimeters are fully weatherstripped for improved thermal protection.



Single hung windows offer the best of both worlds – classic beauty and modern practicality.





## SLIDING PATIO DOORS

Handsome construction combines with a high-performance glass system to deliver casual elegance and year-round comfort to your home. This quality-crafted patio door is a simple luxury you'll appreciate every day, every season. Its smooth and reliable operation, along with a weathertight fit, provides a welcoming entry and lets the natural light shine through.

- 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 (nominal) insulated glass with warm-edge technology.
- Adjustable dual tandem roller system on a stainless steel track ensures easy operation.
- Keyed handle lock and foot lock options.
- Two-, three- and four-panel configurations available.



An integral full-length interlock provides increased strength and protection from 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.





## LIFETIME LIMITED WARRANTY

70 Series windows are backed by a lifetime limited warranty – further assurance of lasting performance and genuine value. For complete warranty information,<sup>4</sup> including limitations, ask your dealer for a copy of the 70 Series window warranty.



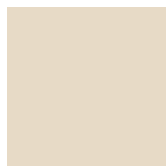
## DECORATIVE WINDOW OPTIONS

### FINISHES

70 Series windows are available in White, Almond and Desert Clay to complement a variety of exterior designs.



White



Almond



Desert Clay

### 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.



5/8" Standard Flat  
Colonial



5/8" Standard Flat  
Prairie



5/8" Standard Flat  
Craftsman



3/4" Contoured  
Colonial



3/4" Contoured  
Prairie



3/4" Contoured  
Craftsman



1" Contoured  
Colonial



1" Contoured  
Prairie



1" Contoured  
Craftsman

### OBSCURE GLASS

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



Obscure



Rain



Narrow Reed



Glue Chip



Satin Etched



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



<sup>1</sup>See 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. Energy savings assume proper installation and use. Not all products are ENERGY STAR-certified. <sup>2</sup>Insulated Glass (IG) units that require capillary tubes may experience some argon gas depletion. <sup>3</sup>Sashes on larger slider windows may be difficult to lift out due to weight. <sup>4</sup>For a copy of the written product warranty, please visit [www.gentek.ca/support/warranty/](http://www.gentek.ca/support/warranty/) or contact your Gentek dealer. Limited warranty does not apply to damage caused by faulty or improper installation, or causes outside of Gentek's control. 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 window. Keep child away from open window. The only purpose of the screen is to reduce the infiltration of insects. Trademarks mentioned in this document are the property of Gentek Building Products, its affiliates or their respective owners. ENERGY STAR logo reproduced with permission of the Minister of Natural Resources Canada, 2004. Accessible formats and communication supports available upon request.

