

KENSINGTON
High Performance Products

Quantum2

POWERED BY KensingtonGlass™





A Remarkable Combination of Beauty and Strength

Handcrafted to meet your individual taste, Kensington HPP's Quantum2 Series helps fulfill your architectural vision while extensively improving your household's indoor comfort.



The Kensington HPP Quantum2 Series of vinyl windows can help improve the energy efficiency of your home while adding to its curb appeal. These beautiful windows not only give you the indoor comfort you desire but can help reduce your heating and cooling use.

Available in a variety of window styles, the Quantum2 window series is manufactured to complement your home's unique decor. Kensington's Quantum2 windows are stronger and more energy efficient compared to other traditional replacement windows. Each vinyl frame is crafted using the finest extruded virgin vinyl material, fusion-welded at the corners, and milled smooth to produce a clean, uninterrupted appearance.



Quantum2

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Kensington HPP Quantum2 Series Benefits:

- Powered by KensingtonGlass™ with Southwall Heat Mirror® technology to boost thermal performance
- R-5.9 full frame for double hung windows*
- 99.5% UV protection reduces damage and fading**
- Virtually maintenance free
- Intelligent window technology designed to keep winter warmth in and summer heat out
- Handcrafted classic designs that increase the beauty of your home
- Blocks noise levels better than single pane windows
- Limited lifetime and glass breakage warranties

*Based on KensingtonGlass option selected. Visit www.KensingtonHPP.com for details.

**Based on UV protection data listed on the Heat Mirror website.

The Empire State Building upgraded all 6,514 double hung windows with Southwall Heat Mirror technology – the same technology used in high performance KensingtonGlass packages available for your home!

Energy Efficiency Numbers You Should Care About

In a window, numbers matter. Coldness and heat can come through any poorly designed window. That's why it is important to know everything you can about your windows.

Full frame window values versus Center-of-Glass (COG) values: Poorly insulated window frames can transfer unwanted heat or cold into your home. That's why it is important to know the insulating capabilities of the entire window, not just the center of glass. Full frame R-value or U-factor indicate how well an entire window is insulated.

U-factor: Measures how well heat is transferred by a window and can affect heating and air conditioning costs. The lower the U-factor, the better the insulating properties.

R-value: R-Value is a standard measure of heat loss through a partition, such as a wall, window, or door. The higher the R-Value, the better its insulating properties.

Solar Heat Gain Coefficient (SHGC): Measures the percent of solar heat that actually enters through a window. The smaller the number, the better the window is at preventing solar heat from entering your home.

Visible Light Transmission (VT): Measures how much light comes through the glass. The lower the number, the less visible light is transmitted.

UV Blockage: Measures the percentage of damaging solar radiation that is blocked and not allowed to enter your home. The higher the percentage, the less fading and damage to your furnishings and carpet.



Innovative Window Technology

Kensington HPP's Quantum2 improves thermal performance and can help lower energy costs.

- 1 Southwall Heat Mirror technology glass packages match the insulation characteristics of triple-pane glass without any of the design limitations and weight issues typical of triple-pane glass systems.
- 2 A combination of inert Argon or Krypton gases is used to fill the glass cavity based upon glass selection. These harmless gases provide superior insulating capability against the transfer of heat or cold from the outside.
- 3 Offering greater durability, strength, thermal insulation, and corrosion resistance than traditional aluminum frames, the Kensington HPP's Quantum2 vinyl frames are made from extruded virgin vinyl and fusion welded at all corners, making them permanently air and water tight.
- 4 Low-E coatings are applied to the film and/or glass to help reflect heat back to its source and block damaging ultraviolet radiation. Radiant heat from within your home is reflected back inside, keeping your home warm in the winter. Solar radiation from the sun is reflected away, keeping it cooler indoors in the summer.
- 5 The spacer system in a window is small but can significantly impact a window's overall insulation value. Every Quantum2 window features a warm edge spacer system that reduces condensation, improves thermal efficiency, and helps maintain indoor temperature.
- 6 The combination of thermal coatings, Southwall Heat Mirror technology, insulating gases, and a warm edge spacer system creates unique high performing glass packages that are designed for your specific home and climate.

POWERED BY

KensingtonGlass™

The Anatomy of Energy Efficiency At the heart of Kensington HPP's windows is a cutting edge energy-efficient technology that features an advanced insulating glass package optimized to enhance the overall performance of the window. It is this combination of thermally-insulated frames and high-performing glass that allows us to deliver some of the most energy-efficient replacement windows in the market – the right windows for your home.





Advanced Window Design

Quantum2 windows can help reduce energy consumption by improving thermal performance.

Kensington HPP's Quantum2 Series Features:

- Powered by KensingtonGlass™ with Southwall Heat Mirror technology to boost thermal performance*
- All-point, fusion-welded main frame and sashes for reduced air and water infiltration
- Maintenance free solid vinyl linedal that never peels, cracks, or needs painting
- Foam filled, multi-chambered frames for added insulation
- Anti-microbial weather stripping inhibits the growth of mold and mildew
- Slim interior sash design allows for greater glass area
- Triple seal weather stripping on sashes keep air and moisture out
- Durable 3/4" stainless steel constant force balance system allows for smooth one-handed operation
- Heavy duty bug screen frame with fiberglass mesh resists holes and tears
- Multiple color and hardware options
- Exclusive continuous sash interlocks help reduce drafts and provide for an added measure of security



**Anti-microbial
Weather Stripping**



Insulated Frame



**Based on KensingtonGlass option selected. Visit www.KensingtonHPP.com for details.*



Double Hung Windows

With a traditional look that provides a timeless appeal, Kensington HPP's Quantum2 double hung windows offer a remarkable combination of super-insulating performance that compliments a variety of architectural styles.



Deluxe Vent Limit

Easy operating deluxe vent latches limit movement of lower sash to restrict the size of the ventilated opening. The vent latches snap out to let in the evening breeze.

Recessed Tilt Latches

Aesthetically pleasing latches allow you to clean the glass safely from inside your home by utilizing the tilt-in sash feature.

Performance Enhanced Sashes

Easy operating cam lock and keeper secure and seal both sashes, reducing air infiltration at the meeting rail.

Triple Weather Stripping

Upper sash sits tightly in the head of the window. Triple weather stripping on upper and lower sash and foam filling improve energy performance.

Unique ILS™ Interlocking Sill

This feature engages the sash to the sill with a sash overlock, a compression bulb seal, and reduces the risk of water infiltration and greatly improves the insulating power of the window.

Six Degree Sloped Sill

The six degree sloped sill provides the ideal angle for water runoff and will prevent water damage to the surrounding window structure.

Stealth Locking System

The cam action mechanism is hidden for a contemporary and clean design.



Tilt-in for Easy Cleaning



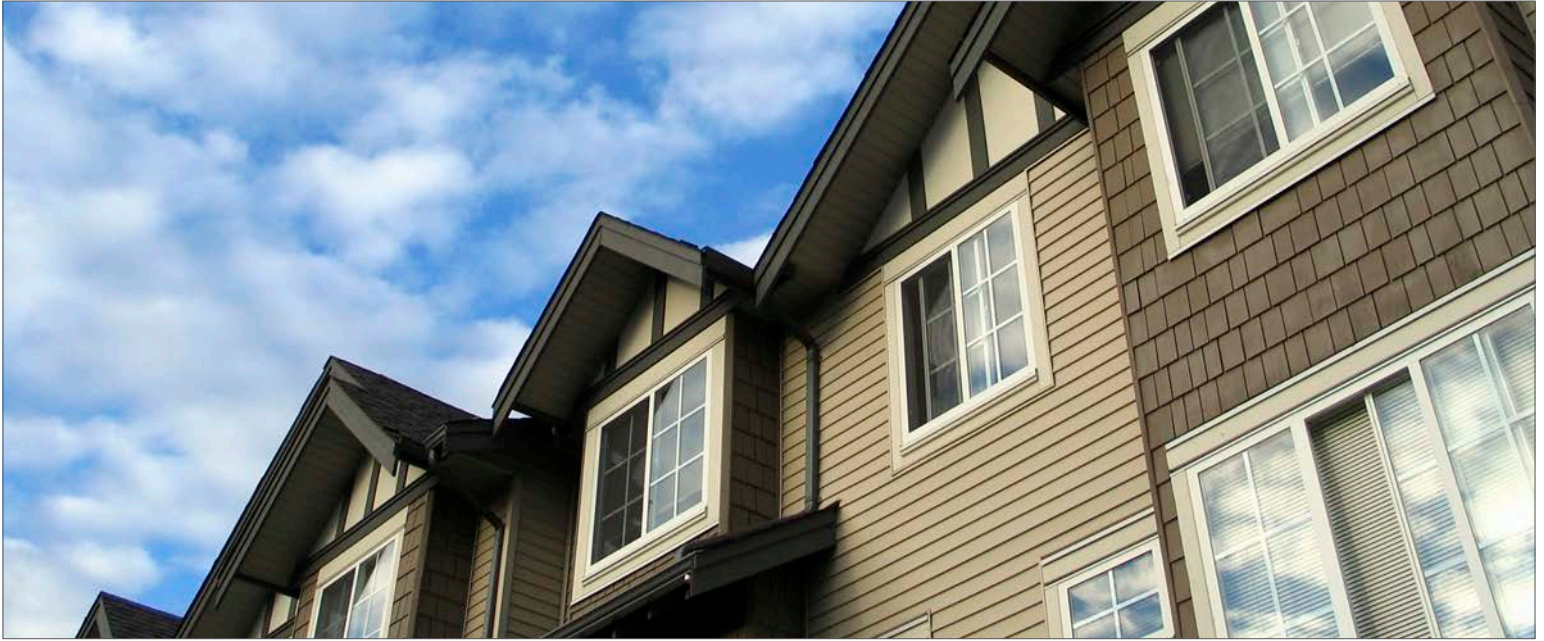
Deluxe Vent Limit Device



Air Tight Sashes

Sliding Windows

Kensington HPP's Quantum2 sliding windows are clean in design and offer wide expansive views. These windows are available in twin and triple sliding units and allow for a myriad of configurations.



Pull Rail & Twin Tandem Brass Rollers

The full length pull rail and twin tandem brass rollers located near each corner of the sash allow it to glide effortlessly across the sill. The easy-to-clean sill track maintains the smooth, one-handed operation throughout the life of the window.

Extruded Pressure Fit Screen

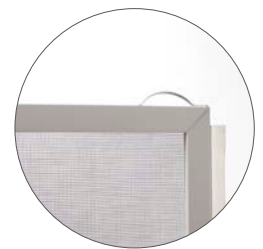
The integral dual screen track anchors the screen into place. Featuring an integral finger-lift slot for easy operation.

Elegant Sash Rails

Designed to be highly durable with a clean design, the Kensington HPP's Quantum2 series sliding window sash rail will ensure that the focus of your window is where it should be – the view.

State-of-the-Art Design

Our traditional sliding windows are designed to provide energy efficiency and ease of maintenance by allowing you to access and clean the exterior panes of glass from inside your home.



Pressure Fit Screen

Casement/Awning Windows

Capture the right amount of breeze and direct fresh air into your home with beautiful casement and awning windows. The casement windows pivot entirely away from the window frame, giving you full ventilation and can be mulled together as twins, triples and awning, or in combination with picture windows to create unique designs.



Operating Mechanism

A sophisticated operating mechanism maximizes the sash opening for full ventilation. The easy rotating, fold-down lever moves the sash with a simple one-handed operation.

Continuous Interlock System

When closed and locked, the casement window is secured with a continuous interlock system. Continuous interlocks at sash meeting rail as well as our exclusive bottom sash interlock create a weather tight and secure seal. With the flip of a single lever, the casement's locking system is engaged. When fully closed, the mechanism activates the continuous interlocks and securely anchors the sash in place.

Folding Handle

Convenient folding handle allows for simple, one-handed operation, then folds flat to minimize obstruction of blinds and draperies.

Unique Design

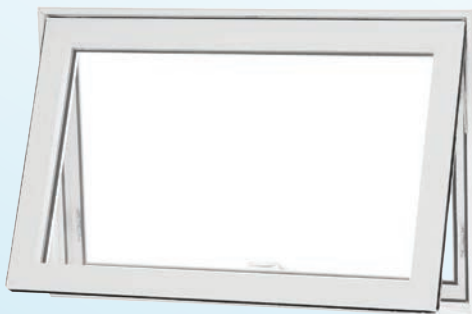
The casement's distinctive design allows you to safely and conveniently clean the outside panes of glass from the inside of your home.



Locking Lever



One-handed Operation



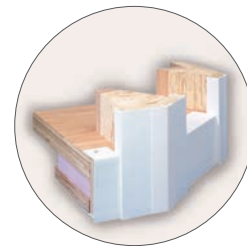
Bay, Bow and Garden Windows

Bring an extended, panoramic view of the outdoors into your home with an elegant garden, bay or bow window.



Bay and Bow Window Features

- Bay windows available in 15, 30, 45 and 90 degree configurations
- Bow windows available in 3-, 4- and 5-lite layout
- Bay and bow windows available with casements or double hung window styles
- Internal, concealed turn-buckle/cable support system for superior structural integrity is standard
- Windows are mounted to structural wood support (timberstrand) providing superior strength
- All exposed exterior wood members protected by rigid vinyl capping system
- Roof and other exterior support accessories available
- Insulated 2-7/8" thick super seat for a R-7.5 rating



Insulated Seat

Insulated Seat

Your bay or bow window comes with an insulated seat board comprised of a three-layer base. An interior layer of 1-1/4" furniture grade oak or birch veneer is ready for staining or painting. An exterior supporting layer of 3/4" marine plywood is separated by a 1" structural foam insulation layer that protects your home from the weather.

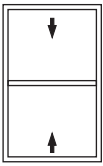
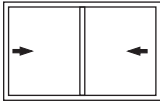

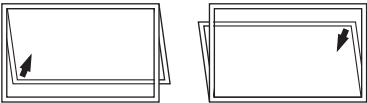
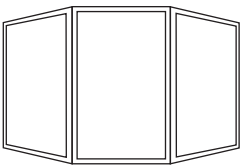


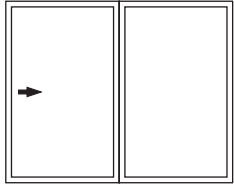
Options for Bay and Bow Windows

- Dupont Corian® seat adds beauty and durability. Available in Cameo White and 5 decorative colors.
- Maintenance free laminates available on the seat or all interior surfaces.
- Please ask your dealer about factory staining as well as a variety of Corian and laminate seat finishes.

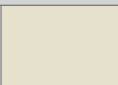


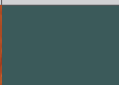
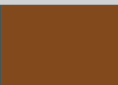
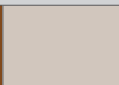
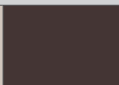
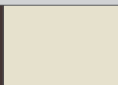
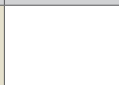
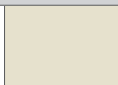

Garden Window Features

- 1-1/8" premium grade cabinetmaker quality oak and birch veneer for superior quality and aesthetics
- Side casements are hinged on the outboard jamb to provide maximum ventilation

Styles to Fit Any Design

Double Hung Windows		Slider Windows	
			
Sashes can move up and down and tilt-in for easy cleaning inside your home.		2- or 3-lite sliding windows are easy to operate and provide a wide-open expansive view.	
Casement Windows		Awning and Hopper Windows	
			
Effortless operation and smooth gliding hardware can be used stand-alone or as the building blocks for bow and bay windows.		Aesthetically appealing hopper or awning windows swing open easily for a lifetime of effortless operation.	
Bay and Bow Windows		Half Circle and Arch Windows	
			
Crafted to your exact specification to create a dramatic look inside and outside.		Dramatic shapes enhance your home's architecture and provide endless creativity options.	
Custom Geometric Windows		Sliding and Swing Patio Doors	
			
Add character to your home and accentuate other window styles.		Patio doors add beauty and light to your home while increasing efficiency and value.	

Standard Window Frame and Hardware Color Options (Exterior custom colors available as well)

Interior / Exterior Colors		Wood Grain Laminates			Optional Exterior Finishes					Hardware Colors*			
													
White	Tan	Light Oak	Pecan	Cherry	Hunter Green	Brown	Taupe	Bronze	Tan	White	Tan	Champagne	

*Patio door hardware selected separately. Champagne is standard with optional Cherry and Pecan laminates only. Tan is standard with optional Light Oak laminate.

Additional Window Options







The KensingtonGlass™ Advantage

Kensington HPP's Quantum2 Series features unique glass packages that are specially designed to provide high-insulation performance specific to your home and climate.

Glass Packages: Kensington KG4, Kensington KG7, Kensington KG8, Kensington Glass Power Q10

Please speak with your dealer to discuss which KensingtonGlass package is right for your individual home.

Decorative Options

V-Grooved Glass			Grille Options		
Queen Anne	Diamond	Colonial	Colonial	Diamond*	Queen Anne
					
<p>Styled grooves are cut into the panes of glass which create an artistic beveled glass look.</p>			<p>Grille pieces between the panes of glass create the desired look while preserving the smooth, easy-to-clean glass surface inside and outside. Pencil, Perimeter and Single Line Prairie grid styles also available.</p> <p><small>*Not available with glass packages that utilize Southwall Heat Mirror technology</small></p>		

Bevel-leaded Glass*

Designer bevel-leaded glass is available in 4 artistic patterns with silver, gold, or black caming. Patterns are available in almost any size window you require because each pattern is custom fabricated specifically for your window.

*Not available with glass packages that utilize Southwall Heat Mirror technology









Obscure Glass

Allows natural light to enter while adding style and an element of privacy to your home.

Tempered Glass

Also known as safety glass, tempered glass is stronger than ordinary glass, providing extra safety for your family. If the glass were to break, it "crumbles" into harmless pieces instead of razor sharp shards that can be harmful if touched.

Grille Designs

Profile	Flat	Light Oak	Pecan	Cherry	Brass*
					

*Not available with glass packages that utilize Southwall Heat Mirror technology

Swing Patio Doors

Kensington HPP's swing patio doors are more than a visual pleasure. They will provide you a lifetime of beauty and comfort.

Features

- 7/8" insulated tempered glass system provides safety, super-insulation and noise reduction
- Elegantly sculpted fusion welded multi-chambered frame and sash are impervious to water and air
- A wear resistant, anodized aluminum sill designed to resist damage due to heavy traffic
- Virtually maintenance-free, never paint or stain your door again
- Optional matching transoms and sidelites available
- "Q-Lon" high-performance weather seals keep the weather on the outside
- Available in 5' and 6' widths
- Single swing available in 30" or 36" widths



Single Swing Patio Door

Continuous interlock system anchors the door in separate points along the door length. Activating the deadbolt lock provides maximum security.

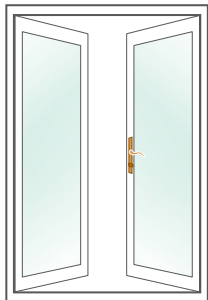


Hardware Color Options

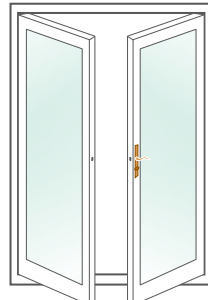
White (Color match to door)	Tan (Color match to door)	
Antique Brass (Optional)	Polished Brass (Standard with woodgrain and/or exterior painted)	Satin Nickel (Optional)

Swing Patio Doors Options

French

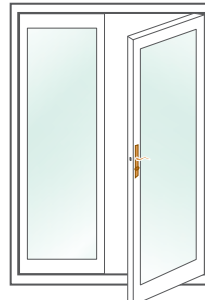


Out-swing

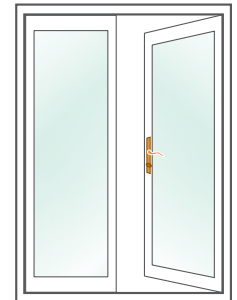


In-swing

Garden



In-swing
(left or right operation)



Out-swing
(left or right operation)

Sliding Patio Doors

Our sliding doors create a great viewing area plus the ability to slide open the door and enjoy a breath of fresh air, while keeping summer heat and winter cold out of your home.




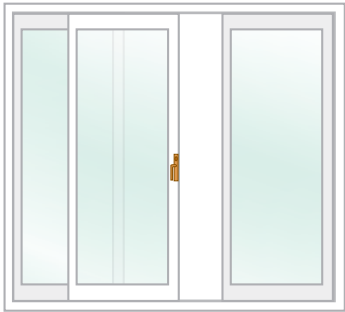
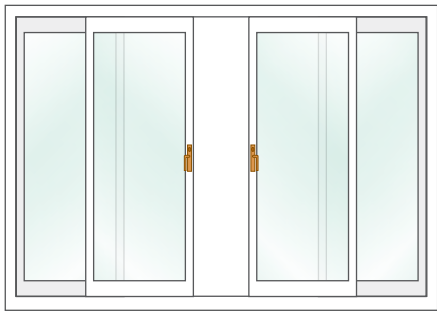
Hardware Color Options

White <small>(Color match to door)</small>	Tan <small>(Color match to door)</small>		
Antique Brass <small>(Optional)</small>	Polished Brass <small>(Standard with woodgrain and/or exterior painted)</small>	Satin Nickel <small>(Optional)</small>	

Features

- Elegantly-sculpted fusion-welded sash and multi-chambered mechanical frame are impervious to water and air
- Optional matching transoms and sidelites available
- Gliding monorail screen track for easy operation
- Sash is structurally reinforced with aluminum bars for maximum strength
- Rugged extruded aluminum sill designed to resist damage due to heavy traffic
- Heavy-duty stainless steel rollers for smooth operation
- "Q-Lon" high-performance weather seals keep the weather on the outside
- Available in 2-, 3-, and 4-lite configurations
- Continuous interlock handle set
- Custom sizes available

Sliding Patio Doors Options

Right/Left Operable	Center Operable	
		
2 Lite (5' – 6' – 8')	3 Lite (9' – 12')	4 Lite (12' – 16')



About Kensington HPP,™ Inc.

With over 30 years of expertise Kensington HPP, Inc. is the leader in affordable, high performance energy efficient window and door products. We strive to ensure you the highest quality products through our exclusive dealership network.

When you invest in our products for your home and family, you get a commitment from the Kensington HPP family to provide you with the most reliable products that will keep you and your family comfortable and secure.

For more information, visit www.KensingtonHPP.com.