



*See
the
world
in a
better
light*



SeriousWindows

SeriousWindows 501 Series

Every SeriousWindows 501 Series is Packed With Durability and Performance

UNITIZED CONSTRUCTION

Fusion welded sash and beveled frame create durable air and water tight window components.



DELUXE VENT LIMIT

Easy operating deluxe vent latches limit movement of lower sash to restrict the size of the ventilated opening.



RECESSED TILT LATCHES

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



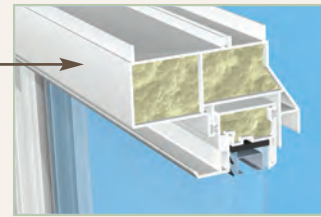
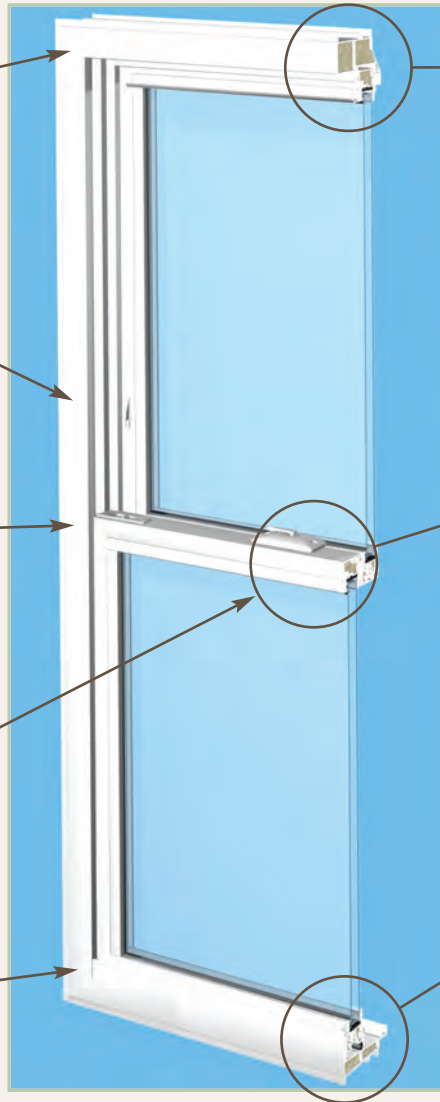
AIR TIGHT SASHES

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

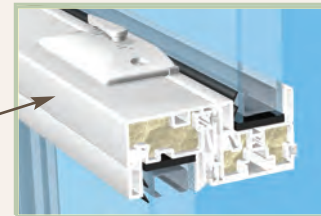


SUPERIOR PERFORMANCE

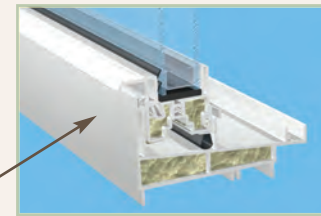
Full length lift rail makes sash operation simple while the advanced sill design reduces the risk of water infiltration.



Upper sash sits tightly in the head of the window. Twin weather seals and foam filling maximize energy performance.



Integral interlock at the meeting rail is backed up by twin weather seals providing maximum insulating power.



Six degree sloped sill with foam filling boasts a built-in track for screen support and external frame legs for accurate installation.



Unique ILS™ Interlocking Sill improves the SeriousWindows™ 501 insulating performance. When closed, the bulb seal and overlock of the lower sash engages the upstanding mid-sill leg. This powerful combination is a substantial barrier to air/water infiltration.

DOUBLE HUNG



Features

- Fusion welded frames and sashes for air and water tight unitized construction.
- Internal chambers of frame and sash filled with sustainable foam.
- Dual weather sealed reinforced vinyl interlock prevents air and water infiltration across the meeting rail.
- Both sashes tilt for easy cleaning.
- Maintenance free vinyl surfaces available in two colors.
- Elegant beveled exterior for superior curb side appeal.
- Heavy duty vinyl extrusions for durability and strength.
- 7/8" insulated glass for increased insulating power.
- Six-degree welded sloped sill for optimal water runoff.
- Heavy duty extruded aluminum screen frame with fiberglass screen mesh.
- Integral screen track anchors screen securely in place.

Superior Insulation

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



Triple weather seals on sash stiles act to keep weather outside. This triple barrier blocks air infiltration and allows the sash to operate smoothly.



An insulated vinyl interlock at the meeting rail blocks air and water at one of the most susceptible areas of the window. When the cam lock is engaged, the seals and interlock work together for a tight seal.



SLIDERS



Features

- Fusion welded frames and sashes for air and water tight unitized construction.
- Internal chambers of frame and sash filled with sustainable foam.
- Dual weather sealed reinforced vinyl interlock prevents air and water infiltration across the meeting rail.
- Both sashes are removable for easy cleaning.
- Maintenance free vinyl surfaces available in two colors.
- Elegant beveled exterior for superior curb side appeal.
- Heavy duty vinyl extrusions for durability and strength.
- 7/8" insulated glass for optimal insulating power.
- Full length pull rail and brass rollers for finger tip operation.
- Heavy duty extruded aluminum screen frame with fiberglass screen mesh.
- Integral screen track anchors screen securely in place.
- Available in twin and triple sliding units.

Simple Design, Long Lasting Performance

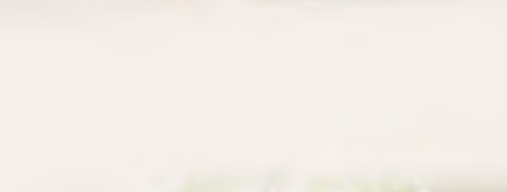
Twin tandem brass rollers located at each corner of the sash allow it to glide effortlessly across the sill. Sill track cleans easily to maintain the smooth operation throughout the life of the unit.



Interlocking sash systems are weather-sealed for maximum protection. When closed and locked, the sash interlock engages and compresses, making a solid barrier to air and water infiltration.



Perimeter weather seals around the gliding sashes are strategically placed to seal out air, dust, and water infiltration. This fin seal weather stripping prevents "flattening" over time to maintain a true tight barrier from the elements.



CASEMENT/AWNING



Features

- Fusion welded frames and sashes for air and water tight unitized construction.
- Internal chambers of frame and sash filled with sustainable foam.
- Perimeter bulb seals create a tight weather barrier.
- Multi-point locking system for weatherability and security.
- Maintenance free vinyl surfaces available in two colors.
- Elegant beveled exterior for superior curb side appeal.
- Heavy duty vinyl extrusions for durability and strength.
- 7/8" insulated glass for optimal insulating power.
- Heavy duty extruded aluminum screen frame with fiberglass screen mesh.
- Can be mulled together in twins, triples, or in combination with picture windows.



One Handed Operation

A sophisticated operating mechanism maximizes the sash opening for full ventilation and easy cleaning. The easy rotating lever moves the sash with a simple one handed operation.



When closed and locked, the casement is secured with a multi-point locking system. Multiple pins engage the jamb receivers to compress and hold the sash in place creating a weather tight and secure seal.



With a simple flip of a single action lever, the casements locking system is engaged. When fully closed the mechanism activates the multi-point locks and securely anchors the sash in place.



COMBINATIONS

Sophisticated designs in one solid...



...easy operating unit.

Sturdy extruded aluminum screen is held securely in place.



Heavy duty armatures hold sashes in place to prevent sagging.



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



For maximum performance and durability, integral mullions are held in place with three fasteners. Triple perimeter weather seals block air and water infiltration.



GLASS

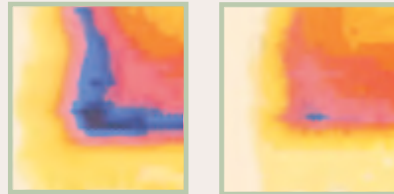
The Benefits of Intercept "Spacer" Warm Edge Technology



Thanks to the unique U-channel design of the Intercept glass spacer, SeriousWindows 501 Series create a thermal barrier that prevents heat or cold from passing through the window. Not only does this improve thermal efficiency, but it also keeps the window's perimeter warmer (hence "warm edge" technology), reducing condensation and preventing water accumulation.



Comparison of Intercept insulating glass unit (Right) with conventional insulating glass unit (Left). Both units have Low-E coatings and are filled with argon gas. "Warm edge" technology reduces condensation and retains insulating gas better for optimal thermal efficiency and home comfort.

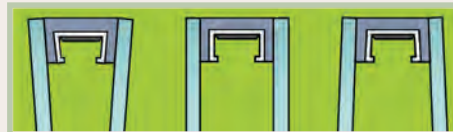


This thermograph or "heat illustration" compares room side glass temperature for an Intercept insulating glass unit (Right) and a conventional unit (Left) (Yellow = warmer, blue = colder). Notice that the Intercept insulating glass unit temperature is significantly higher, especially around the sash.

The Intercept Spacer Reduces Sealant Stress

During seasonal temperature fluctuations the Intercept insulating glass spacer flexes to absorb thermal stress instead of the sealants. This flexibility eliminates spacer movement as well as stress cracks and sealant failure providing years of peak performance and outstanding beauty.

U Shaped Spacer System



COLDER

NEUTRAL

WARMER



Solid Spacer System

The glass system in any window greatly affects its overall energy performance. Since more than 80% of a window is made of glass, choosing a package developed for your particular climate is crucial to the energy benefits you receive.

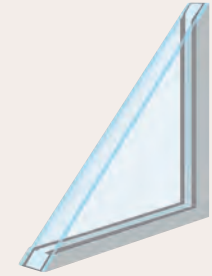
Improved comfort and lower energy consumption is greatly dependent on the insulating properties of your windows...and more importantly the type of glass used in those windows.

Glass Types



CLEAR INSULATED

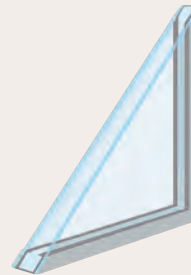
7/8" Insulated glass with the warm edge technology that reduces the transfer of heat through the glass.



TEMPERED GLASS

Used around areas where safety is a concern, tempered glass breaks into small "chips" not large dangerous shards like typical glass (optional).

Energy Saving Glass Systems



LOW-E/ARGON

Low-E/Argon glazing boosts the window's energy performance using PPG's SolarBar® 60 (optional).



SUSPENDED FILM

Suspended film between two panes of glass with blended gases in the air spaces provides maximum insulating power (optional).



FEATURING
 Glass Technology
 Since 1883
The PPG logo is a registered trademark of PPG Industries, Inc.



Every SeriousWindow 501 with Low-E/argon or better is Energy Star qualified.

SeriousWindows 501 Series

BAY/BOW WINDOWS

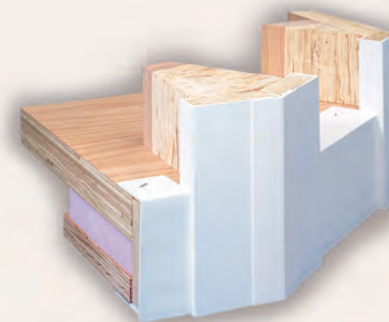


Features

- Bay windows available in a 15, 30, 45 and 90-degree configuration.
- Bow windows available in a 4 and 5-lite layout.
- Bay windows available with casements or double hung window styles.
- Internal cable support for superior structural integrity is standard.
- All exposed exterior wood members protected by a rigid vinyl capping system.
- Windows are mullered to structural wood support (timberstrand) providing superior strength.
- See double hung and casement section for window unit features.
- Roof and other exterior support accessories available.

Insulated Seat

Your bay and 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 is ready for staining or painting. An exterior supporting layer of 3/4" marine plywood is separated by a 1" structural foam insulating layer that protects your home from the weather outside.



Steel Cable Support

For the ultimate in strength and durability, bay and bow windows are supported by a concealed turn-buckle/cable support system. Anchored to the structural members of the home, the internal 1/4" steel cable prevents sagging by supporting the unit at each corner.

Weather Tough

To prevent damage and deterioration from the harmful effects of the weather, every wood component is capped with a tough vinyl capping system. Vinyl is impervious to the harmful affects of wind, sun, and rain preventing damage to all structural members.

GARDEN WINDOWS



Features

- 1-1/8" Premium Grade cabinetmaker quality oak & birch veneer for superior quality and aesthetics.
- Fusion welded vinyl frames and sashes provide air/water tight maintenance free components.
- Side casements are hinged on the outboard jamb to provide maximum ventilation.

Options

- Insulated 2-7/8" thick super seat for a R7.5 rating.
- Dupont Corian seat adds beauty and durability. Available in cameo white.
- Maintenance free plastic laminate veneer. Available on seat or all interior surfaces.

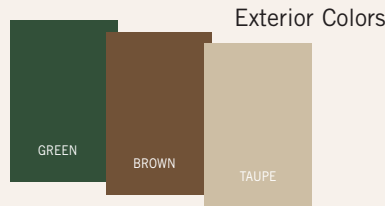
** Not all laminates or colors are available on all models. See dealer for details

PICTURE WINDOWS

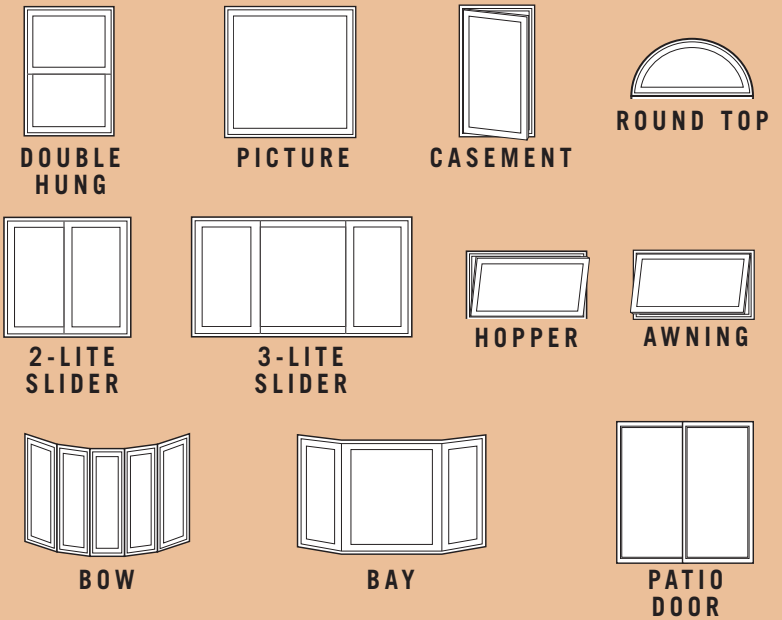


Picture windows bring the outdoors inside with a wide vantage of the landscape at hand. Muller in combination with casements or double hungs, picture windows provide all of the insulating power as their operating counterparts by using 7/8" insulated glass and foam filled frames.

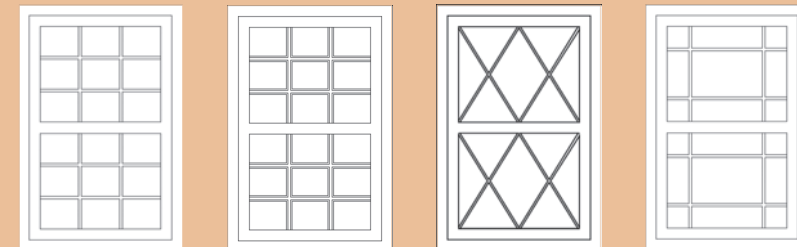
COLORS/LAMINATES



*Additional colors available upon request.



...and grid patterns to match any decor.



COLONIAL FLAT COLONIAL PROFILE DIAMOND QUEEN ANNE

Grid patterns not restricted to 9 lites. Depending on the size of the window, a number of configurations are available. See dealer for details.

THE DESIGNERS TOUCH

Leaded and Grooved Glass



HANNIBAL

Bevel-leaded glass in a diamond pattern with gold caming. Patterns are available in almost any size window you require because each pattern is custom fabricated specifically for your window.



ST. LOUIS

Bevel-leaded glass in a Fleur-de-lis pattern with gold caming. Custom-designed decorative glass windows add beauty to your home.



LACROSSE

Bevel-leaded glass in a decorative pattern with gold caming. Caming is the slender grooved lead bar used to join the glass segments.



ROSEDALE

Bevel-leaded glass in an oval and filigreed pattern with gold caming. This bevel-leaded glass is the "real thing". It's made with fine cut glass and soldered lead caming... not from imitation "look alike" kits.

Grooved glass and grids are available in the same three pattern styles: Colonial, Diamond and Queen Anne. But that's where the similarity ends.



COLONIAL GROOVED

Grooved glass is more subtle and refined in appearance. It creates a sparkling look that can't be achieved with conventional aluminum or vinyl grids.



DIAMOND GROOVED

Grooved glass patterns are available in any size window you require because each pattern is custom-cut specifically for your window.






QUEEN ANNE GROOVED

This grooved glass pattern creates a unique "period" look with a subtle pattern.



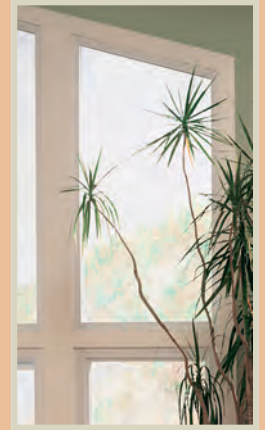
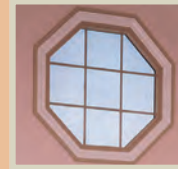
**SERIOUS
MATERIALS**

CAMING OPTIONS

 Silver (standard)  Gold (optional)  Black (optional)

Bevel-leaded glass is available with three different caming colors.

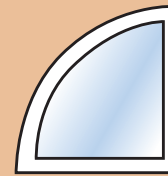
Architectural Shapes Let Your Creativity Come Alive!



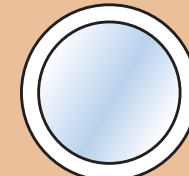
ELLIPSE



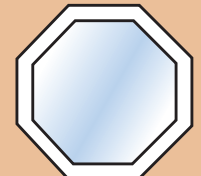
HALF-ROUND



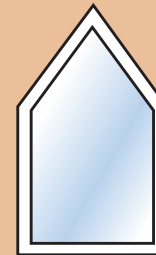
QUARTER-ROUND



CIRCLE



OCTAGON



PENTAGON



TRAPEZOID



OVAL

PATIO DOORS

Sliding Patio Door



- Fusion welded sash panels.
- Elegantly sculpted frame and sash.
- 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 heavy traffic.
- Heavy duty rollers for smooth operation.
- High performance weather seals.
- Available in 2, 3, and 4 lite configurations.
- Meets or exceeds the standards of AAMA/NWWDA.
- Meets or exceeds high velocity coastal requirements.
- Multipoint locking handle set.

HARDWARE FINISHES



Polished Brass



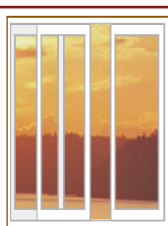
Antique Brass



Satin Nickel



Right & Left Operable - 2 lite
5' - 6' - 8'



Center Operable - 3 Lite
9' - 12'



Dual Center Operable - 4 Lite
12' - 16'

*Custom Sizes Available



From the outside, a key lock is provided on locking handle for maximum security.

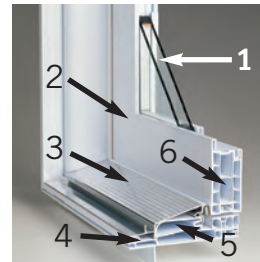


At the turn of a lever, you can lock or unlock with ease.

Swing Patio Door



This single innovation virtually eliminates panel sagging for the life of the door.



Multi-point locking system anchors the door in three separate points along the door length. Activating the deadbolt lock provides maximum security.



HARDWARE FINISHES



Solid Brass

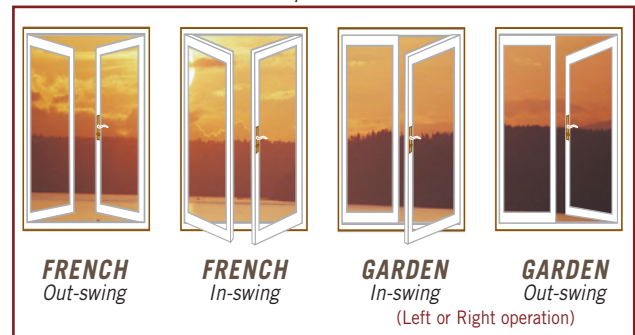


Antique Brass



Polished Chrome

- 1 7/8" insulated tempered glass system gives the door superior insulation and sound deadening properties.
- 2 Fusion welded panel and frame corners create strong unitized components that prevent air and water infiltration.
- 3 A wear resistant anodized aluminum sill cover stands up to the worst traffic area in the home.
- 4 Internal weeping system and a 15 degree sloped sill efficiently divert water away from the home.
- 5 "Q-Lon" high-performance weather seals keep the weather on the outside.
- 6 Multi-chambered, maintenance-free vinyl profiles are impervious to water, air pollution, and normal weathering affects. Never paint or stain your door again.
- 7 Full length fixed gear hinge prevents panel sagging.



Available in 5' or 6' only



Expressly offered by:



www.seriousmaterials.com 800.797.8159

SeriousWindows 501 Series