



Guardian Elite Series



1000 Series

Appreciate All the Comforts
of your Home with
Premium Vinyl Windows



State of the Art Technology

More than thirty years of research and development are built into every fully welded GES 1000 series replacement window, producing state-of-the-art designs using advanced production techniques. A technologically advanced fabrication process allows compound shapes to be fusion welded at sill corners, producing a window that is actually stronger than conventional welded windows. Innovative technology means unparalleled styling and top performance for homes.



Sliders and Picture Windows

In our fully welded slider and picture window, the advantages of our technology produces a sophisticated, uncluttered look.

Guardian Elite 1000 Series Replacement Window Features and Benefits

When designing our vinyl replacement window system, we looked to nature for inspiration. The result was the GES 1000; a vinyl window system designed for durability, strength, security and uncompromising beauty.

Heavy Walled Construction:

Deeply Pocketed Head:

With weatherstripping to resist air infiltration

7/8" Insulating Glass:

With optional Low 'E' coating specifically chosen for maximum regional thermal efficiency

Dual Tilt In Sashes:

Both sashes tilt in for easy cleaning

Die Cast Cam Lock and Keeper:

Cam action actually draws sash closer together for positive lock

Interlocking Meeting Rail:

Integral interlock provides additional security

Three Layers of Weather Stripping:

With double mylar fins for resistance to air and water infiltration

Fiberglass Insulation:

In frame and sash to improve thermal performance

Flexible Bulb Seal:

Provides a superior high performance weather seal like a refrigerator door

Fully Welded Double Wall

Interior Dam Leg:

With fin-seal weather-stripping for improved strength and optimal air and water performance.

Positive Sloped Sill:

Provides water runoff, even in driving rain

Fusion Welded Frame and Sash:

The utmost in strength and integrity

Warm Edge Technology:

Low conductivity spacer provides barrier to heat transfer in insulating glass unit

Night Vent Latch:

Allows for ventilation with security.

Low Profile Routed-in Tilt Latches:

Color matched low profile latches for a neat appearance

Rigid Thermal Reinforcement:

Innovative, superior, energy-efficient alternative to aluminum reinforcement

Stainless Steel Constant Force Balance:

Trouble free, maintenance free
Provides smooth operation

Storm Interlock:

Integral sill and meeting rail lock and prevents sash from bowing under structural stress

Screens



- Aluminum Half Screen is standard
 - Full Screen is optional
- All full screens are FlexScreen technology a high performance spring steel frame that is captured in the screen track and can easily be removed from inside the home.

- Limited Lifetime Warranty





Casement Windows

Classic Beauty and Effortless Operation makes this a one-of-a-kind casement window system. A beveled frame, slimlines, and maximum glass exposure combine to create a sleek appearance. Advanced window technology gives the design many operational advantages.

Virtually Unlimited Styles

include awnings, left and right single casements, fixed picture windows and two, three, four & five lite multiple units. Awnings, casements, and picture windows are able to be constructed in horizontal or vertical configurations with an internal mullion system, and unlimited architectural shapes.



Awning Windows

The welded awning combined with the picture window produces a sophisticated, uncluttered look with a great view.



Enduring Beauty

Enjoy contemporary styling and bring more natural light into your home with our classic bay or bow window. Distinctive, yet highly practical, these windows brighten interiors dramatically.



Elements of Styles

Our bays and bows are fully customizable to match your home décor. Choose from a width range of 49" to 143"; any of our stylish grid options or none at all; 10°, 30° or 45° baywindows; four lite or five lite bow windows. Center and end vents are available in picture window, double hung or casement in the combination of your choosing. Jamb widths are also customizable to suit your every need.





Make a Grand Entrance

Create light and inspirational views in your living space with our premium patio door. This rigid vinyl door is an inviting transition from outside to inside or from room to room. This beautifully engineered system is designed with all the performance features important to you. Weather-tight frames combined with the natural insulating qualities of vinyl greatly reduce heat and cold transfer providing year-round comfort. Made from high quality, energy-efficient, virtually maintenance-free vinyl, these doors ensure satisfaction and lasting performance.



Choose from a variety of styles that will add brightness and beauty to your home. Add side lights, custom transoms and decorative grids to express your unique taste and your homes' architectural style.



Patio Door Options

Add side lights, custom transoms and decorative grids to express your unique taste and your homes' architectural style.

The low rise sill is designed to minimize tripping and keeps water out.

Color Options for GES 1000 series

Standard solid color Creme White or Optional Desert Tan.

Optional Bronze or Black laminated exterior over Creme White interior.

We also offer 10 optional exterior paint colors plus custom colors from customer chips on all systems.

*Customer must sign off on all custom colors.

Optional Natural Oak or Cherry interior Wood Grain with Creme White or Desert Tan exterior.



White PVC
(Standard)



Desert Tan PVC
(Optional)



Bronze Exterior
White Interior
(Optional)Black



Exterior
White Interior
(Optional)



Oak Wood Grain*
(Optional)



Cherry Wood Grain*
(Optional)

* Wood grain not available on jamb extensions

Be Comfortable With Your Energy Bill

The high energy performance of the GES 1000 windows have the combined factors of a Warm Edge spacer and High Performance Low-E glass. Combine these technologies with an Argon gas fill and you will maximize your energy performance and decrease your heating and cooling costs. In the winter months, Low-E helps keep heated air inside and cold air outside. In the summer, Low-E helps keep cool air in and hot air out. Low-E also blocks up to 84% of the harmful ultraviolet rays which can fade carpets, draperies and artwork. In addition since Argon gas is six times more dense than air, it greatly reduces the transfer of hot and cold-adding even more thermal efficiency. It is this combination of Warm Edge and Low-E/Argon filled glass that helps you save on your heating and cooling costs.

U= U-Value R= R-Value
(SHGC) = Solar Heat Gain Coefficient
(VT) = Visible Transmittance

NOTE: "LE" Low "E" coating is on the number "2" glass surface when viewed from the exterior. U-values noted above are reflective of either PPG Solarban 70XL® or AGC Low "E" glass.

* "U" Value and "R" Value in accordance with NFRC 100-2010: Procedure for determining fenestration product U-factors.

** Solar Heat Gain Coefficient and Visible Transmittance in accordance with NFRC 200-2010: Procedure for determining fenestration product Solar Heat Gain Coefficient and Visible Transmittance at normal incidence.

*** Condensation Resistance Factor in accordance with NFRC 500-2010: Procedure for determining fenestration product condensation

Glass shall be set with neoprene glazing blocks to maintain uniformity around the glass perimeter. Standard glazing shall be nominal 7/8" thick sealed insulating glass consisting of two pieces of SSB clear float glass (double glazed). Optional glazing shall be nominal 7/8" thick sealed insulating glass consisting of one piece of SSB clear float glass and one piece of SSB low "E" glass. Argon Gas fill is standard with low "E" glass. All insulating glass units come standard with Quanex Duralite® warm edge IG spacer.

Low-E² Glass

U-Factor
.26

Solar Heat Gain Coefficient
.25

Visible Transmittance
.45

Air Leakage
< 0.3

Low-E³ Glass

U-Factor
.26

Solar Heat Gain Coefficient
.19

Visible Transmittance
.43

Air Leakage
< 0.3



UltraFlect... the top performing dual Low-E glass option

Unlike traditional LowE glass, that has 1 coating on 1 glass surface, UltraFlect uses an unparalleled combination of 2 different High Tech reflective coatings with one coating on each piece of glass. UltraFlect represents the most dramatic advance in window glass technology in more than 10 years. Only UltraFlect breakthrough technology provides the R-5 performance of triple pane glass with the durability and appearance of dual pane glass.

UltraFlect Achieving An R-Value of 5.00

Only UltraFlect combines proven technologies in high tech glass coatings, spacer systems, and gas filling to produce the most thermally efficient heat reflective and durable insulated glass package:

3 layers of Silver Oxide (11 total layers) Protected inside the dry air space. Specially formulated and positioned to best reflect sun's rays outside.

1 ceramic layer of Tin Oxide permanently bonded into the glass surface. Specially formulated and positioned to best reflect heat energy from your furnace inside.

Argon Gas fill provides an insulation barrier.

Keeps Summer Heat Outside

Keeps Winter Heat Inside

FURNACE

Duralite® warm edge spacer system seals glass unit and insulates the edge.

Independent Laboratory Test Results

GES 1000 series

U-Factor- .22

R-Value- 5.00

Solar Heat Gain Coefficient

.18

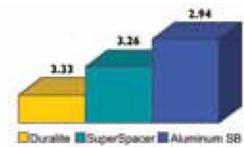
Visible Transmittance

.39

Air Leakage

< 0.3

Total Window R-Value



Simulations were performed by Enermodal Engineering Limited using Window 5.2 and Therm 5.2 as per NFRC 100, 500, 2001, Dec. 23, 2003.

Duralite™

UltraFlect exceeds all ENERGY STAR qualifications, including the new standards that went into effect January 2010, and is eligible for a federal tax credit under Section 25C



WARNING: ASK TO SEE THE NFRC RATINGSTICKER, and COMPARE.* Optional

Comfort

Choosing windows for your home requires consideration of the light and ventilation desired; both the interior and exterior appearance; the ease with which you can maintain, clean and use everyday; plus their energy performance and sound protection. GES 1000 Window and Door Systems can satisfy all of these requirements but, most of all our windows are designed and built to enhance the comfort and value that you associate with your home.

GES
GREEN ECO SOLUTIONS
1-855-366-7485
GreenEcoSolutions.com



Colonial Grids



Contour Grids



Optional SDL Grids.



Colonial



Diamond



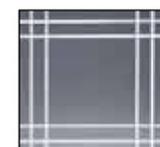
Prairie



Contoured White



Colonial White



Double Prairie