

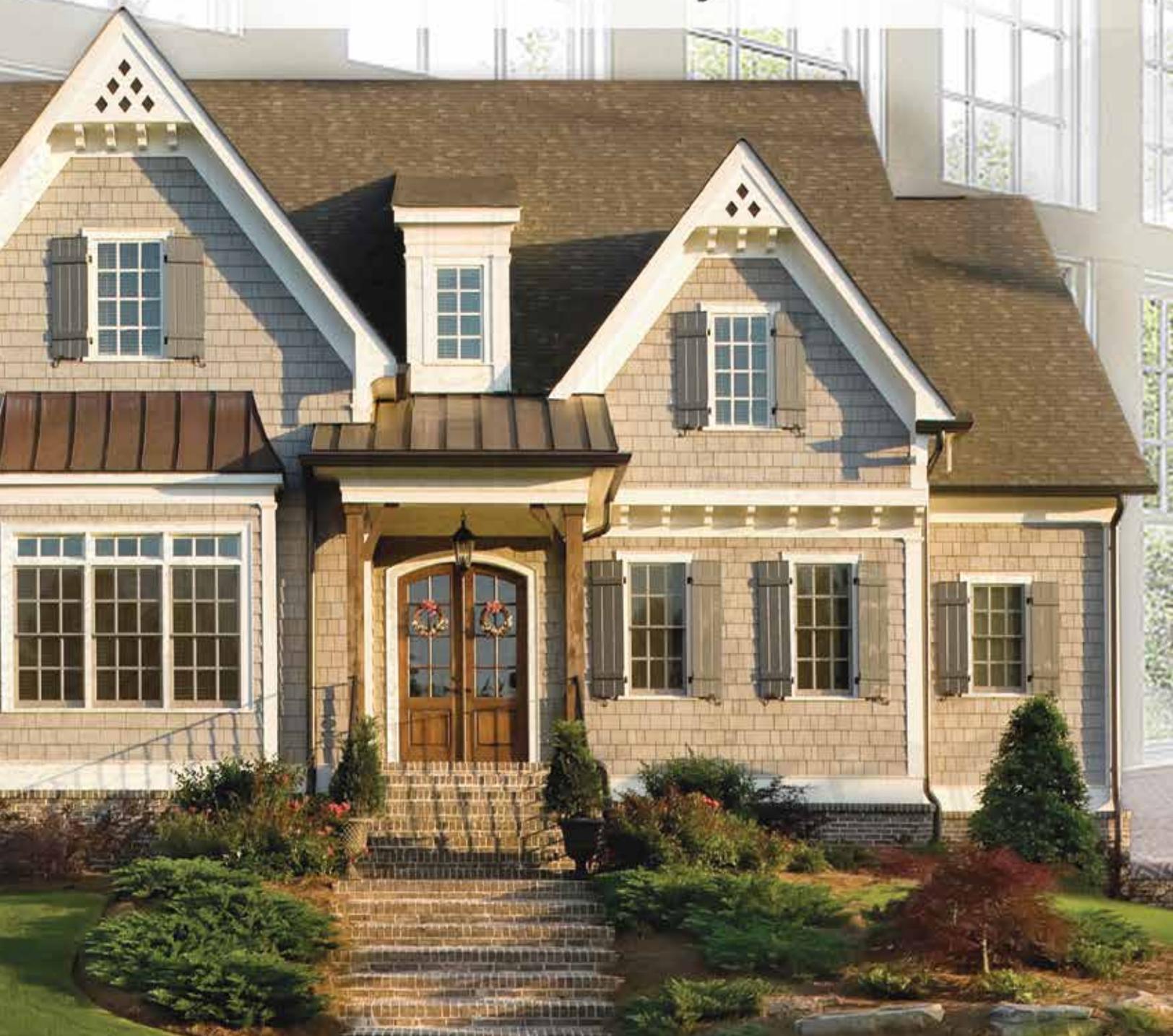
GRANDVIEW

WINDOWS

by

WN
WINDOW NATION

because it's where you live





The Window Nation Story

At Window Nation, we are proud of the partnerships and affiliations that we have developed and the relationships that have cultivated over the years.

Why Thousands of Customers Have Already Chosen Window Nation

- Over 150,000 windows installed with 99.5% of them requiring no follow up service.
- Licensed, Bonded & Fully Insured.
- Consistently recognized as one of the largest window retailers in the USA by Remodeling Magazine, Replacement Contractor Magazine, & Qualified Remodeler.
- ENERGY STAR® Partner.
- Certified EPA Lead Renovator.
- Customers are always protected by Window Nation's insurance policy for \$2,000,000.
- Exclusive product that exceeds industry energy and performance standards by 82%.
- 94% of all customers who completed our post installation survey told us they were "very satisfied" and 98% of our customers would refer us to their friends and family.
- 24 Hour emergency customer support.
- Accredited Members of the Better Business Bureau * NARI * Guild Quality.
- Windows are measured down to 3mm to ensure a tight seal and precise fit. Less than 1/2% of all windows and doors ever have to be remade due to mis-measurement or defects in product.
- Installations by factory trained licensed professionals, with an average over over 15 years of experience installing windows/doors, to guarantee perfect craftsmanship.



Double Hung

The modern design and durability of our Grand View windows gives you the advantage of easy, convenient cleaning. The tilt-in sashes of our double hung window make cleaning a breeze. Unique thermal construction and the highest quality materials reduce your heating and cooling bills.

DuraTex™ Warm Edge Spacer System

All IGUs are not created equal! Our versatile, flexible warm edge technology spacer system helps you save on your energy bills by:



- Insulating frame and edge of glass up to 90% better than other spacer systems.
- Improving performance of argon and krypton gas-filled IGUs and Low-E glass.
- Reducing conductivity and total window U-value (heat transfer).
- Improving resistance to condensation.

Premium Foam Insulation

Grand View exclusive insulation system increases the R-value-resistance to heat flow. Premium energy foam is standard in the frames and sashes of your Grand View windows.*

Stainless Steel Constant Force Balances

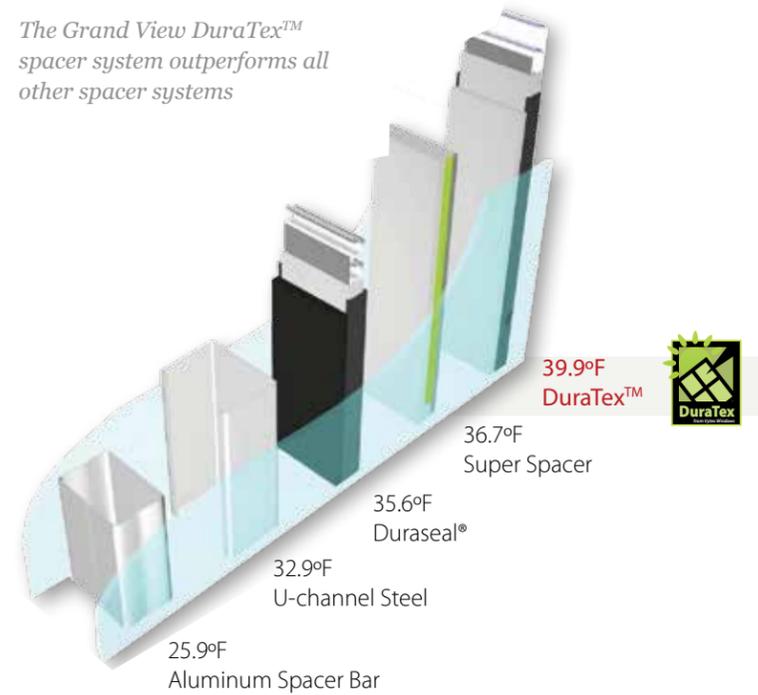
Constant Force balance system gives you fingertip window operation.



The Grand View window incorporates a unique hooded lock that completely covers the keeper for security and a clean appearance.

Spacer Comparison

The Grand View DuraTex™ spacer system outperforms all other spacer systems



Envirosealed™ Technology

Grand View Envirosealed energy-efficient windows can lower energy bills and ensure a greener future for the planet. Envirosealed's Dura Platform warm edge spacer technology offers:

- Reduced environmental impact—Improve the environment indoors and out by reducing greenhouse gas emissions.
- Grand View windows are made with Envirosealed technology, the most energy-efficient spacer system as measured by the u-value and edge of glass temperatures.
- Located between the glass panes, the DuraTex™ spacer provides for the warmest edge of glass temperature possible, saving you hundreds of dollars or more a year in energy costs.
- Envirosealed Windows utilize encapsulated air chambers to achieve superior thermal performance, keeping homes warmer in the winter and cooler in the summer.

ThermaCore reinforcement™



Grand View with ThermaCore Reinforcement performs

533 X better than Aluminum
160 X better than Steel

Eliminates heat and cold transfer through the window.

Double Hung—Window Specifications



Premium™ Foam filled frame and sashes

1. Premium Foam filled frames and sashes for greater insulating value.
2. Envirosealed Technology; DuraTex™ warm edge spacer system has been approved by LEED as a “Green” product.
3. DuraTex™ spacer system reduces heat and cold transfer.
4. ThermaCore™ meeting rail reinforcement.
5. Triple fin weatherstripping at all sealing locations decreases air and water infiltration.
6. Special formula PVC never needs painting, makes cleaning a snap, and prevents scratching or denting.
7. Fusion welded sash and frame corners guarantee structural integrity.
8. Elegant, sculpted exterior for superior curbside appeal.
9. Custom designer sash profile closely resembles a real wood window sash.
10. Integral lift rail makes your window easy to open and close.
11. Integral interlock keeps windows closed tight for added security & weatherproofing.
12. Sloped sill allows easy water run-off and provides a sleek appearance.
13. Top and bottom sashes tilt in for easy cleaning.
14. Stainless Steel Constant Force balance system allows years of easy, carefree window operation.
15. Cam-type lock and keeper pulls and keeps your window sashes tightly together for a complete weather tight seal.
16. Integral tilt-latch makes the window easy to tilt in plus leaves a smooth window appearance.
17. Deluxe limit lock provides added security while using the window for ventilation.
18. Full 3/4” sealed Insulated Glass Unit for increased insulating power.
19. Double Strength Glass Standard.
20. DP-45 rating—164 mph wind load (170% stronger than industry minimum).
21. Air Infiltration Rating - 0.08 cfm/ft.
22. 0.26 U-factor with Double Pane Extreme Low-E/Argon Gas.

Sliders

Grand View Series two-lite slider windows open easily from both sides. Our sliders are engineered to operate smoothly time after time, year after year. Our three-lite slider windows give you a wide-open view and slide easily on brass rollers. They complement the decor of any style home.



3-section slider

Brass Rollers



Brass rollers allow effortless sash operation.

Interlocking Sashes



Integral interlock keeps windows tightly closed for added security and weatherproofing.

Slider—Window Specifications

Premium Foam filled frames and sashes for greater insulating value.

Special formula PVC never needs painting, makes cleaning a snap, and prevents scratching or denting.

Fusion welded sash and frame corners means durability and dependability.

Left and right sashes lift out for easy cleaning.

Integral interlock keeps windows closed tight for added security and weatherproofing.

Triple weatherstripping at all sealing locations decreases air and water infiltration.

Brass rollers provide long-lasting, reliable operation.

Elegant, sculpted exterior for superior curbside appeal.

Full 3/4" sealed Insulated Glass Unit for increased insulating power.

Available in two-lite and three-lite configurations.

DP-45 rating—164 mph wind load (170% stronger than industry minimum).

Casement & Awning

Casements add character to the decor of your home. They're stylish and unsurpassed in beauty and durability. Our Casement Series features a low-profile folding handle, full 90-degree opening for easy cleaning, and enhanced security with a multi-point locking mechanism.



Operating Hardware



Casement windows open to a 90-degree angle, allowing easy cleaning.

Multi-Point Locking System



Low-profile, single lever, multi-point locking system for secure and easy operation.

Casement Handles



Folding handle offers smoother, more contemporary, integrated look when nested. Reduces interference with blinds and drapery.

Casement & Awning—Window Specifications

Fusion welded sash and frame corners guarantee durability and dependability.

Special formula PVC prevents scratching or denting.

Casement windows open to a 90-degree angle, allowing for easy cleaning.

Low-profile, single lever, multi-point locking system for secure and easy operation.

Premium Foam filled frames and sashes for greater insulating value.

Elegant, sculpted exterior for superior curbside appeal.

Full 1" sealed Insulated Glass Unit for increased insulating power.

DP-65 Rating—198 mph wind load (200% stronger than industry minimum).



Bay & Bow

Grand View Bay & Bow windows are a masterpiece of energy-efficiency. Unique construction makes it easy for you to maintain the comfort level inside your home in every season. And because Grand View Bay & Bow windows are so durable, your home's new look will last a lifetime.



Add more room to your rooms

Add space, light and viewing area to your favorite rooms by installing your choice of replacement windows from the extraordinary Grand View bay and bow collection. They'll give your home a new, roomier appearance—a sparkling look that you will agree is nothing short of awe-inspiring.

Framed with furniture-grade wood and clad on the exterior with provocative vinyl, Grand View bay and bow windows offer both strength and style. The windows' interiors feature rich, hand-selected birch or oak veneer, ready for paint or stain.* Moving sashes tilt in or swing open for easy access, and our special formula vinyl wipes clean with a damp cloth. With Grand View bay and bow windows, you'll never have to scrape or paint outside again!

* Birch is standard and oak is optional.



Bay & Bow—Window Specifications

Special formula PVC used in our windows never needs painting, makes cleaning a snap, and prevents scratching or denting.

Multi-channel design allows for additional insulation between window units.

1/4" all threaded steel rods between struts tie head and seat boards together for added strength.

DuraTex™ warm edge technology glass spacer system reduces heat transfer and provides improved seal integrity.

1" hardwood cabinet grade veneer head and seat board available in select white birch and red oak.

Insulated glass unit with optimal glass spacer improves year round performance.

Insulated seat board helps increase energy savings.



(cont. on next page)

Mullion Construction



1/4" all-threaded steel rods between struts tie head and seat boards together for added strength.

Custom Fitted Wood Jambs



Bay & Bow window interiors feature rich, hand-selected birch or oak veneer, ready for paint or stain.

Garden Windows



Grand View garden windows add a bright, new dimension to window design.

Multi-chambered, hollow thermalized insulating system provides dead air space for additional insulation plus greater strength and durability to the window.

Fusion welded sash and frame corners guarantee structural integrity.

Special formula PVC never needs painting, makes cleaning a snap, and prevents scratching or denting.

Insulated seatboard helps increase energy savings.

Head and seatboards are available in oak or birch veneer finish and are ready for painting or staining.

Adjustable turn-buckle cable hanging system is designed to eliminate possible sagging or bowing.

Additional features:

Each window within the bay or bow unit has custom fitted wood jambs for structural integrity.

Windows are seated on a weeping sill platform on the seatboard not directly on the wood seatboard.

DuraTex™ Warm Edge Spacer System maximizes window performance and longevity.

Enhance your Bay and bow windows with these options:

- Extreme Low-E glass package featuring soft coat high performance Low-E glass with DuraTex™ spacer system and Argon gas.
- High definition screen standard.
- Bay and bow windows are available in white, beige or paintable, stainable interior laminate and twenty-six standard exterior colors.

Grid Details

for traditional grids



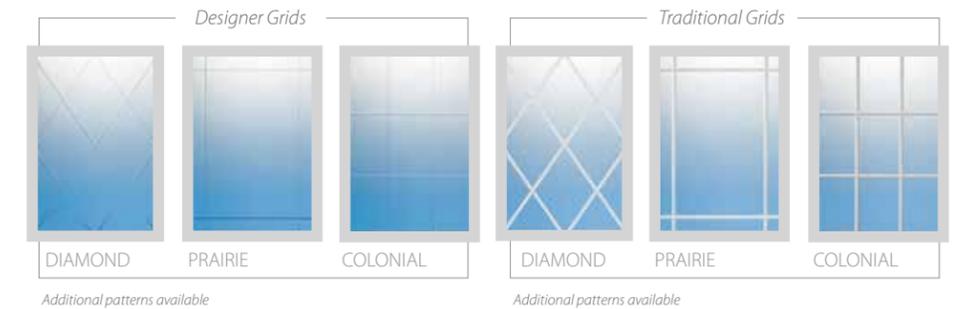
FLAT



CONTOUR

Designer and Traditional Grids

The beauty of cut glass—rainbows of colors, illustrations of shape and depth. Now you can have that elegant look of traditional cut glass. Windows, patio doors, and transoms can all be enhanced in a variety of styles and patterns to match your home's architectural style.

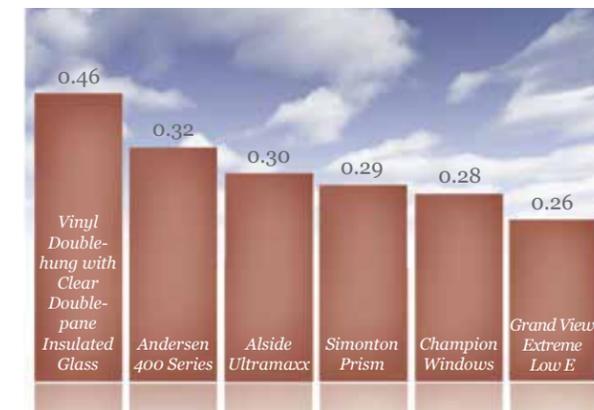


Additional patterns available

Additional patterns available

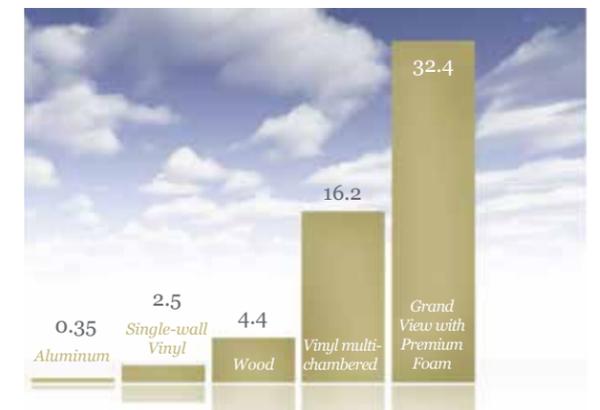
Available Glass Options

Overall Window U-value | NUMBER = U-VALUE

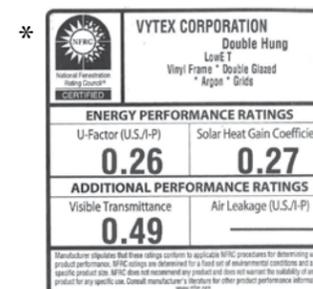


The lower the U-value, the greater your protection from heat loss through your windows.

R-value for Window Frame Materials



The higher the R-value, the higher the insulation value of the window—and the greater the comfort and energy efficiency of your home! (Note: Data represents performance for a 12" piece of frame material.)



* reflects double hung window with grids





Installing/Finishing Replacement Windows

Purchasing quality replacement windows is crucial, but it's only step one. Seeing your new windows properly installed is arguably more important.



Window Nation utilizes the most highly skilled and trained individuals who specifically specialize in the installation of only windows and doors. Since every installer undergoes weeks of training and is certified by the factory you are ensured there will never be finger pointing if a warranty issue arises. They are true experts in their field with the average installation team completing over 20,000 window installations.



Our State-of-the-art Testing Facility

A modern 160,000 square foot manufacturing facility equipped with the latest state-of-the-art advances in window manufacturing technology, controlled and monitored by the winsys software system that allows extraordinary control of scheduling, manufacturing, finished goods and shipping functions.

Each window undergoes a 30 point quality assurance inspection process by highly skilled individuals before leaving the factory.

99% of our windows installed required no follow up service.

Independent surveys show our customers rate our installation crews at 97% on cleanliness and safety.

Our installers complete over 2,400 hours of installer training across the company yearly.

It's critical that all the pieces that go into your new window installation work together—insulation, caulking sealants and the window itself. There is only one “system” of installation materials in North America that is specifically designed to be compatible with the window, your house, and with each other; and it is used on every install we complete. A perfect installation requires the use of these premium allied materials to ensure an air and water tight seal that lasts.



1.866.446.2846 | www.WindowNation.com

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