



WINDOW NATION

WINDOWS • SIDING • DOORS

Endeavor Premium Window Series

# WHY WINDOW NATION?

OVER 1,000,000 WINDOWS INSTALLED IN MORE THE 125,000 HOMES

Attention to detail		<ul style="list-style-type: none"> <li>• 50 point factory inspection</li> <li>• 20 point installation review</li> <li>• 97% customer satisfaction on clean up and safety</li> <li>• Custom windows made to 3mm for precision, accuracy, and tight seal</li> <li>• Over 150,000 windows installed last year with 99.5% requiring no follow up service</li> </ul>
Quality		<ul style="list-style-type: none"> <li>• Window Nation uses America's only integrated system of window installation materials, insulation, sealant, and caulking</li> <li>• OSI Quad Form</li> <li>• OSI Quad Max exterior sealant</li> <li>• Ultra-Premium high performance exterior trim coil</li> </ul>
Experience		<ul style="list-style-type: none"> <li>• Installation crew leaders average more that 20,000 windows and 16 years experience</li> <li>• Service technicians with an average of 15 years' experience</li> <li>• Over 100,000,000 windows installed in over 125,000 homes</li> <li>• 5th largest window retailer in the country, ranked by Remodeling Magazine</li> </ul>
Product Selection		<ul style="list-style-type: none"> <li>• Over 1,500 custom window and door style combinations</li> <li>• Name brand windows available in vinyl, wood, and fiberglass</li> <li>• Energy Star rated products</li> <li>• Windows engineered for the specific climate we live in</li> </ul>
Trust		<ul style="list-style-type: none"> <li>• A+ BBB rating</li> <li>• Angie's List Super Service award winner</li> <li>• Limited Lifetime Warranty</li> <li>• Exclusive 30-Day Price Protection Guarantee</li> <li>• Licensed, bonded, and insured</li> </ul>



## 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



## Designed to Maximize Energy Efficiency

	<b>Panes of Glass</b>	Two panes of glass decreases the amount of temperature transfer from outside your home.
	<b>Glass Coatings</b>	Thin, virtually invisible Low-E metallic coatings on the glass surface reduce heat transfer and protect against UV rays.
	<b>Interlocking Sill</b>	Unique sloped sill design interlocks securely to the sash, for a weather-tight seal against the elements.
	<b>Gas Fill</b>	Non-toxic gases inserted between the glass panes, instead of air, help further insulate the window and increase efficiency.
	<b>Spacer Systems</b>	Spacers separate and secure the glass panes to optimize the performance and structure of the glass pack.
	<b>Sound Transmission</b>	Options like thicker glass, asymmetrical construction, and high performance interlays help keep your home quiet even if it's loud outside.
	<b>Vinyl</b>	UI Vinyl does not peel or chip like painted wood windows, requiring less maintenance over time.



# THE ENDEAVOR DIFFERENCE

A home is where life is lived and memories are made. The Endeavor Window Series was created to be the perfect combination of beautiful design elements and energy efficiency. You and your family will be kept safe and comfortable and your home will be more welcoming. The Endeavor includes a wide range of superior options that will make your new windows the perfect addition to your home

### Triple Silver Low-E with Argon Glass

Each of our windows and doors is available with special combinations of Low-E coatings, gas fills, and multiple panes of glass to keep your home comfortable, no matter where you live.

### Neopor filled frame and sash

A graphite polystyrene rigid foam insulation reflects radiant heat energy like a mirror, increasing the window's resistance to the flow of heat.

### Four-Point Fusion-Welded

guarantees the frames and sashes are always strong and square.

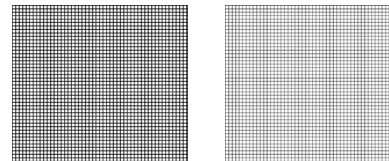
### Super Spacer®

A warm edge spacer is a "no metal" upgrade to help your windows reduce energy cost. Its 100% memory foam formula stands up to a wide range of temperatures and is designed to provide outstanding UV resistance. It dramatically decrease condensation and blocks heat escape for optimal thermal performance.

Endeavor Windows are constructed with high performing glass and meet Energy Star® criteria.



Heavy Duty 1/2 Screen

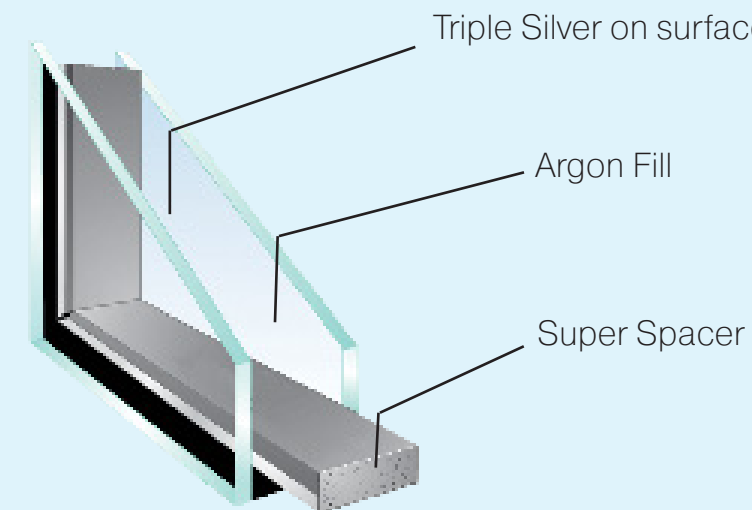



Typical Screen Mesh



Sentry System multi-function locking hardware integrates the lock and tilt functions into the same lock housing, leaving an uncluttered appearance.

## TRIPLE SILVER GLASS PACKAGE



 National Fenestration Rating Council® <b>CERTIFIED</b>	<b>VINYL DOUBLE HUNG</b> <b>3/4" Double Glazing, Low-E, Argon Fill, Super Spacer</b>	
	<b>ENERGY PERFORMANCE RATINGS</b>	
U-Factor (U.S./I-P) <b>0.27</b>	Solar Heat Gain Coefficient <b>0.22</b>	
<b>ADDITIONAL PERFORMANCE RATINGS</b>		
Visible Transmittance <b>0.50</b>	Condensation Rating <b>61</b>	
<small>Manufacturer stipulates that these ratings conform to applicable NFRC procedures for determining whole product performance. NFRC ratings are determined for a fixed set of environmental conditions and specific product size. NFRC does not recommend any product and does not warrant the suitability of any product for any specific use. Consult Manufacturer's literature for other product performance information. <a href="http://www.nfrc.org">www.nfrc.org</a></small>		

NFRC WINDOW LABEL refers to the whole window performance, not just the insulated glass unit. Data shown for unit without grids



## ANATOMY OF AN ENERGY EFFICIENT WINDOW

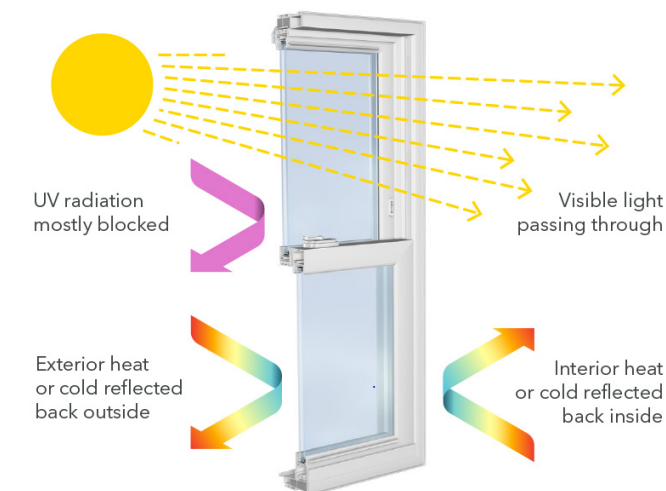
1. **Quality Frame Materials:** low-maintenance frame materials, like vinyl, reduce heat transfer and help to better insulate.
2. **Multiple Panes:** two or three panes of glass with a gas filled airspace are energy-efficient, resist impact damage and provide sound insulation.
3. **Low E Glass:** reflects heat and keeps heat inside in the winter and outside in the summer. UV is also reflected, protecting furnishings from fading while allowing plants to thrive.
4. **Gas Fill:** Inert argon and krypton are more dense and insulate better than regular air.
5. **Warm Edge Spacers:** Super Spacer, keeps a window's glass panes the correct distance apart. Warm Edge Spacers insulate pane edges, reducing heat transfer through the window.



## HOW LOW-E WORKS

Low Emissivity (Low-E) glass is one of the cornerstones of any energy efficient window. Its primary purpose is managing radiation, whether it's solar, light, ultraviolet, or heat. The secret is two or three microscopic layers of silver, which reflect heat back to its source. Other layers in the Low-E coating filter ultraviolet and solar radiation, while allowing visible light through.

To further enhance low-e effectiveness, glass packages are filled with either argon or krypton gas in between the panes of glass. Both gases are denser than air, so they make it more difficult for heat or cold to transmit through the glass units. We use high quality sealants, sophisticated filling equipment and a voluntary verification system to ensure consistent glass performance.



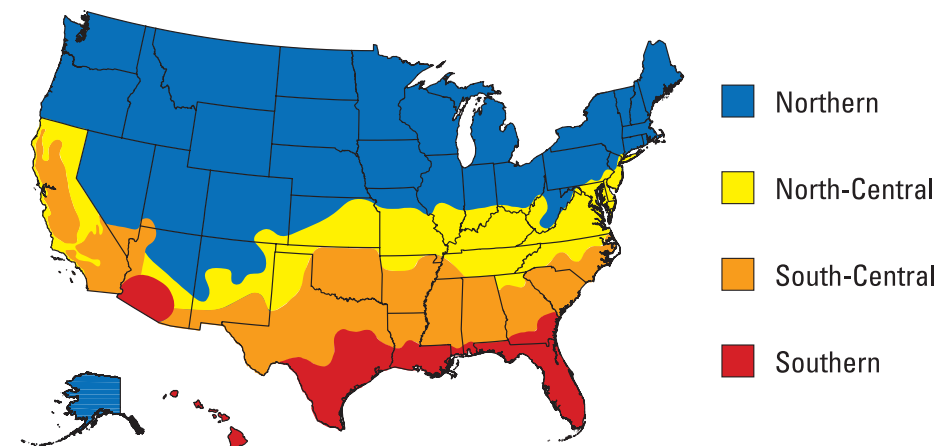
### WHAT WE MEASURE AND WHY

**U-Value** measures the rate of heat transfer and tells you how well the window insulates. On average, windows have a U-Value that ranges from .25 to 1.25 and are measured in Btu/h · ft<sup>2</sup> · °F. The lower the U-Value, the better the window insulates.

**Solar Heat Gain Coefficient (SHGC)** measures the fraction of solar energy transmitted and tells you how well the product blocks heat caused by sunlight. SHGC is measured on a scale of 0 to 1; values typically range from 0.25 to 0.80. The lower the SHGC, the less solar heat the window transmits.

**Visible Light Transmittance** measures the fraction of visible light transmitted through the window. The higher the Visible Light Transmittance, the more light shines through.

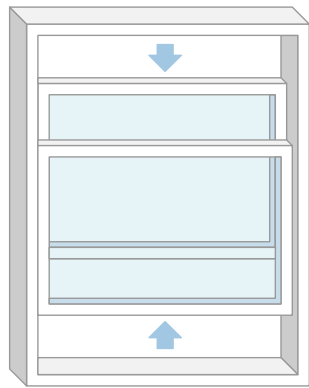
**Condensation Resistance** measures how well a window resists condensation on the inside surface. It is expressed as a number between 1 and 100. The higher the number, the better the window at condensation resistance.



Installing ENERGY STAR qualified windows and doors lowers energy bills and saves you money. With more efficient windows, you also use less energy, which reduces greenhouse gas emissions from power plants.



## DOUBLE HUNG



Double hung windows are easy to use while offering great performance. Both the top and bottom sash open to provide ventilation and airflow.



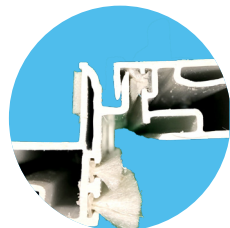
Tilt-in sash with multi-function locking hardware integrates the lock and tilt presenting a sleek and clean appearance and make cleaning easy.

### STANDARD FEATURES

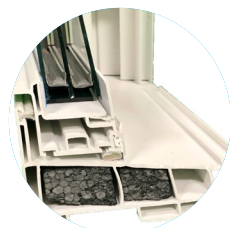
1. Detailed sash molding replicates the look of classic wood windows.
2. Composite locks and keepers are 50% stronger than standard die-cast hardware while remaining lead-free and color-true, without fading, warping or chipping.
3. True sloped sill for water runoff and sill lock extension that reduces air infiltration and keeps the sash securely in place.
4. Triple protection weather seal keeps the indoor and outdoor environments separate with an integral interlock, sill compression bulb seal, and multiple rows of weatherstripping.
5. Dual push-button forced entry resistant ASTM night locks limit sash movement for your family's safety and security.
6. Locks house the tilt functions for a clean and uncluttered appearance on the meeting rail.
7. BetterVue® insect screening with Water Shed Technology™ preserves optical clarity by shedding water and resisting dirt and grime for a sharp, more brilliant outward view with 20% better air flow.



Vent Latches

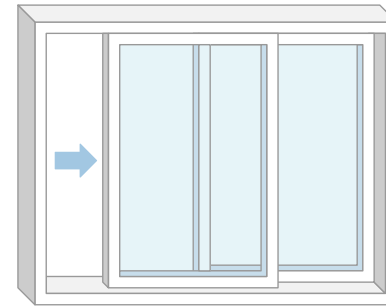


Interlocking sashes



Neopor foam filled frame and sash

## 2 OR 3 LITE SLIDERS



On sliding windows, both sashes effortlessly open horizontally. They allow for easy ventilation while brightening up any room.



Roller System

### STANDARD FEATURES

1. Composite locks and keepers are 50% stronger than standard die-cast hardware while remaining lead-free and color-true without fading, warping or chipping.
2. Lift out sashes allow for convenient cleaning from inside the home.
3. Integral pull rails are ergonomically engineered for smooth operation while remaining aesthetically appealing.
4. Tandem non-marking rollers glide effortlessly on monorail track.
5. BetterVue® insect screening with Water Shed Technology™ preserves optical clarity by shedding water and resisting dirt and grime for a sharp, more brilliant outward view with 20% better air flow.



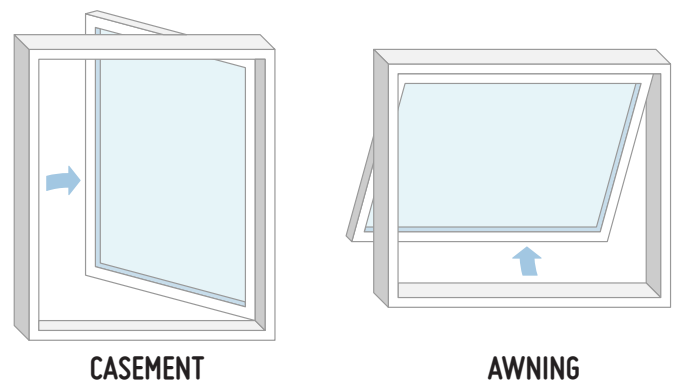
# CASEMENTS & AWNINGS



## PICTURE & SHAPES

### STANDARD FEATURES

1. Beveled sash exterior gracefully accents every architectural style
2. Dual pane high performance insulated glass produces optimal energy performance.
3. Color-matched compression seals are foam filled and create a water and weathertight seal around the entire opening on both the frame and the sash.
4. Premium operating hardware allows for smooth, quiet operation.
5. Casement sashes open a full 90° for both maximum ventilation and for cleaning both sides of the glass from inside the home.
6. Multi-point locking system secures the sash tightly into the frame in at least three locking locations
7. Color Matched Screen with concealed retention system and UltraVue excellent visibility screen mesh.



### STANDARD FEATURES

1. Allows maximum light.
2. Slim frame to frame your view to the outdoors.
3. Fusion welded frame.
4. Architectural shapes available.





## BAY AND BOWS

### STANDARD FEATURES

1. Maintenance free, weatherproofed, and color-matched PVC exterior
2. Hand-selected, 1-1/4" furniture-grade Birch or Oak hardwood interior is 67% thicker than typical products.
3. 6" threaded lagbolt anchors the head and seatboard for support and durability.
4. Edge-banded veneer for a beautifully finished interior reveal.
5. Eyebolt anchors and concealed adjustable cable support system allows precise leveling of the window's pitch, while providing sturdy support.
6. Optional low-voltage recessed lighting highlights accent pieces.
7. Optional insulated seat increases comfort. Choose Superior R9 (as shown above) or Ultimate R21.

Bay and Bow windows offer handcrafted construction and superior energy performance. Custom designed and manufactured to create the ideal configuration so you can enjoy a lovely panorama view. Select double hung, picture, and casement windows to fit your specific needs. Bays available in three lite and bows in three, four, or five lite.



## PATIO DOOR



### STANDARD FEATURES

1. Multi-chambered, fusion welded, vinyl frame will never rot and allows for seamless installation.
2. Panels are reinforced to maximize structural integrity while improving security.
3. When closed, both panels interlock engaging multiple layers of weatherstripping for a tightly sealed unit.
4. Low-profile monorail system operate smoothly and quietly



# CHOOSE YOUR PERFECT LOOK

## COLORS

### Solid Colors



White



Tan

### Laminated Interiors



Cavalier Oak



Natural Oak



Colonial Cherry



Vintage Pecan

### Laminated Exteriors



Black



Bronze

### Exterior Finishes



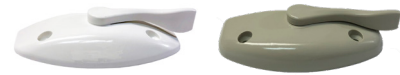
Tan Clay Forest Brick Silver Chocolate Butter



Bronze Terra Cocoa Black Chestnut Pebble

Woodgrain and exterior laminates available on white · Exterior finish available on any color · Custom colors available

Hardware is color-matched to the window interior. Choose between the modern or classic lock style.



Bronze hardware is standard on Cavalier Oak, Colonial Cherry, and Vintage Pecan. Tan hardware is standard on Natural Oak.



## GRIDS

### Colonial



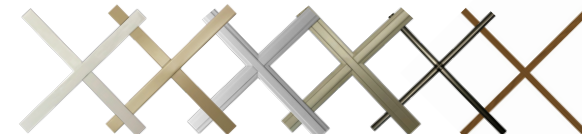
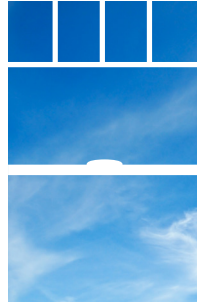
### Perimeter



### Prairie



### Valance



Flat, Georgian, and Pencil profiles available. Grids are placed between the glass and are securely locked in to place, so they'll always remain straight and true.







ANOTHER SATISFIED HOMEOWNER

**WN**

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