





# The Window Nation Story

Window Nation, Inc. was started by the Magden brothers with the mission of offering an unsurpassed selection of premium name brand products installed by highly skilled licensed professionals and guaranteed by the most comprehensive warranty in the industry. Still family owned and operated the Magden family takes great pride in every one of the nearly 3000 installations we complete each year.



## Install Program Advantages

At Window Nation your windows will always be installed by a state licensed and factory trained professional of which guarantees every window is installed per the required factory specifications; insuring your warranty will be valid and your windows will work properly. We also perform detailed background checks on every installer and require them to be certified by AAMA Installation Masters™ and the EPA for Lead Safe Renovations. All of our installers are full-time, dedicated window professionals who take great pride in mastering their specific trade. Additionally we provide our installers with the best materials to ensure your investment is protected for a lifetime. From the caulking to the insulation, every supporting material has been carefully investigated and tested to meet the most challenging environmental conditions.

INSTA//ATION™  
*Masters*



## Why Thousands of Customers Have Already Chosen Window Nation

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

- Over 40 years of combined experience in installing premium windows, siding & doors
- Licensed by (MHIC) Maryland Home Improvement Commission (#124358), State of Virginia (#2705-109436A), DC (#420212000037), State of Ohio

- Ranked in the top 25 window retailers in the US by Replacement Contractor Magazine (2011)



- Energy Star Partner



- Certified EPA Lead Renovator



- Customer's are always protected by Window Nation's insurance policy for \$2,000,000

- Windows manufactured by one of the nation's top 100 manufacturers that has been established since 1934

- Exclusive products professionally designed specifically for dual climate locations

- Exclusive products that exceed industry energy and performance standards by up to 82%

- Installation completed by factory trained licensed professionals to guarantee perfect craftsmanship

INSTA//ATION™  
*Masters*

- 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

- Comprehensive Non-Prorated Lifetime Warranty with 15 Year Non-Prorated Transferability

- 24 hour Emergency Customer Support

- Full service showroom with full size displays of windows and doors

- Member of: Better Business Bureau in Ohio, Maryland, Virginia and Washington DC • NARI • Guild Quality



### Lifetime Warranty

Our Lifetime Warranty protects your investment and our reputation. It guarantees that all moving parts and the hermetically insulated seal in our windows are free from defects in materials or workmanship. It also guarantees that our vinyl colors will remain true for the life of your home. Non-prorated. Transferable. A glass-breakage warranty is available.

# ENVISION

PREMIUM WINDOW SYSTEM

## Double Hungs



Top and bottom sash tilt in for easy cleaning.

### Packed with Features. Loaded with Value!

The Envision window design incorporates exclusive features that make it exceptionally durable and energy efficient. Additionally, it has special built-in features that decrease its AAMA air infiltration rating to less than half that of similar competitors' windows.

The Envision window is built with state-of-the-art technology, in an automated manufacturing facility, to help ensure excellence in every window you purchase. This beautiful window is guaranteed to last the life of your home without rusting, warping, pitting, corroding, or blistering. Its advanced window design will make you proud to have Envision windows throughout your home.

### Vinyl Colors

*Soft-White™*

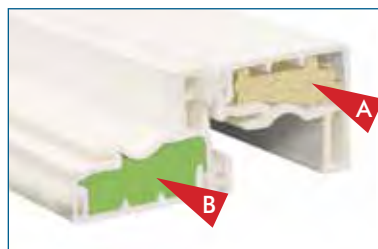
Beige\*

Brown\*

\*Garden windows not available in Beige.

\*\*Brown is AAMA Silver Label Rated.

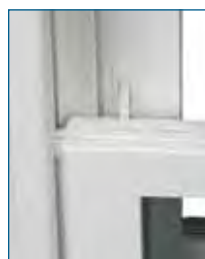
### Meeting Rail Reinforcement



A. Our non-conductive, fiberglass composite reinforcement has superior thermal and insulating properties compared to both steel and aluminum.

B. Comfort Foam™ significantly decreases the U-factor by filling the extrusions with this CFC-free, environmentally friendly

foam. This expanding polyurethane insulation fills critical spaces in the extrusions and greatly improves the overall thermal effectiveness..



Vent Stop, when deployed, will limit sash travel to allow for ventilation.

*Not available on sliders.*



Full-Profile Head for classic aesthetic appeal.



# Envision Outperforms Others



Other Windows



Envision Windows

The narrow line frame of Envision provides more viewing area.



State-of-the-art robotics manufacturing facility.



Computer optimized world-class robotic assembly equipment.

## Enhanced Structural Integrity and Energy Efficiency

- 1 Reinforced Fiberglass Composite in meeting rail and bottom sash rail adds strength

- 2 Dura-Sill™ Engineered Sloped Sill creates strong bond between sill and jamb for maximum weather protection



- 3 Intercept® warm-edge spacer and sealant system significantly reduces condensation

Optional Super Spacer® metal-free spacer system enhances thermal properties (see page 8 for details)



- 4 Soft-Seal™ Straddle Gasket One of several tight barriers and diversions built into Dura-Sill™ to deter air and water infiltration



- 5 Dual-Fin, Wool-Pile Weatherstripping wraps sash perimeter to minimize air infiltration

- 6 Comfort Foam™ green filled frames and sashes provide greater insulating value



- 7 Cam-Action Lock pulls sashes tightly together to inhibit air infiltration

- 8 Certa-Force™ Balance System provides maintenance-free, corrosion proof, smooth and easy lift action



Balance Cover provides finished aesthetic appeal

**AAMA Gold Label Certification\*** Meets and exceeds Industry Standards

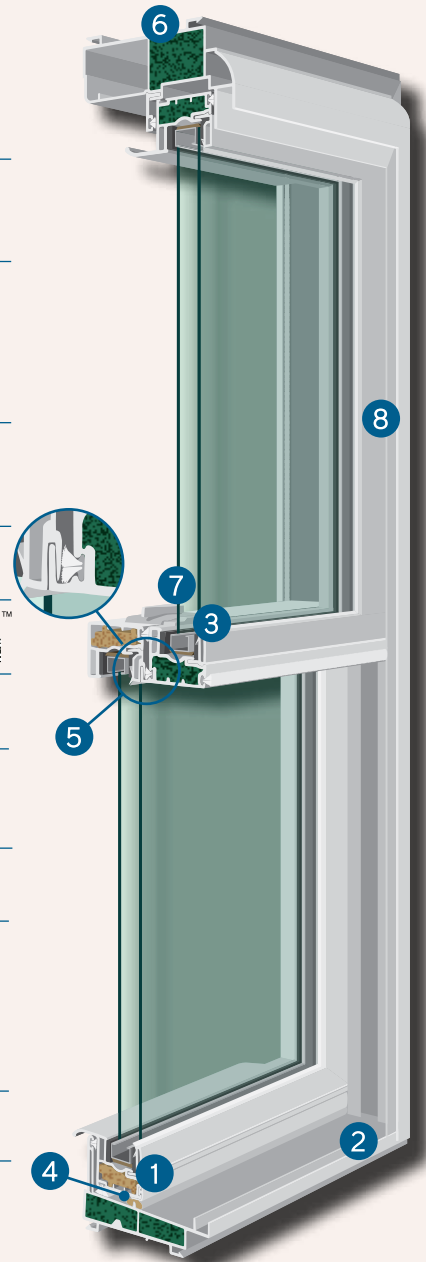
**Air:** 0.06cfm at 25mph – 5 times better than industry minimum of 0.30cfm

**Water:** R40 48 mph – 8" rain per hour – 45% over industry minimum 33mph

**Structural:** DP40 153 mph – 62% stronger than industry minimum 94mph

NFRC U-factor with Ultra Glass™ – 0.22

Optional BetterVue™ Screen improves light transmittance and airflow while increasing insect protection





# ENVISION PREMIUM WINDOW SYSTEM Sliders

Consider our traditional slider for a unique change from the double-hung style. All the same energy efficient and beautiful features which make our double hung windows a superior choice also apply to our slider line.

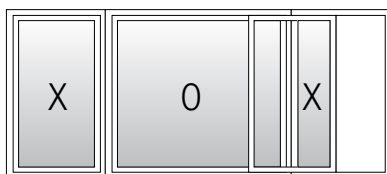
All sliders provide smooth operation on our tandem brass rollers and they have an innovative unique sill which reduces air infiltration and improves indoor comfort.



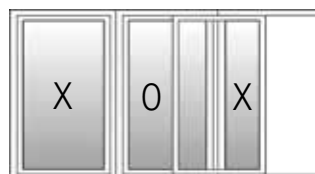
"O" designates fixed lite and "X" designates the operating lites



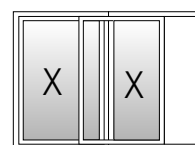
Durable brass sash rollers.



3-lite 1/4-1/2-1/4 configuration



3-lite 1/3-1/3-1/3 configuration



2-lite

In 3-lite sliders the center sash is fixed while the two side sashes slide open and closed for ventilation.

In 2-lite sliders both sashes slide open and closed.



Our unique Swing & Clean Slider offers all the benefits of a normal slider, along with the convenience of swing-in sashes for easy cleaning of the outside glass. The sash has a positive lock feature in the swing-in position.



Beige 2-Lite Slider

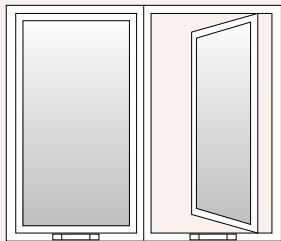
# ENVISION

PREMIUM WINDOW SYSTEM

## Casements

Casement windows define a special look and feeling for your home. Whether in multi-window configurations or as individual windows, casements offer many aesthetic choices.

The single-lever lock handle makes operation almost effortless, yet very secure with its multiple locking points.



### AAMA Gold Label Certified Performance

**Air:** 0.05cfm at 25mph

**Water:** R40 48mph

**Structural:** DP40 153mph

**NFRC Thermal Performance:**

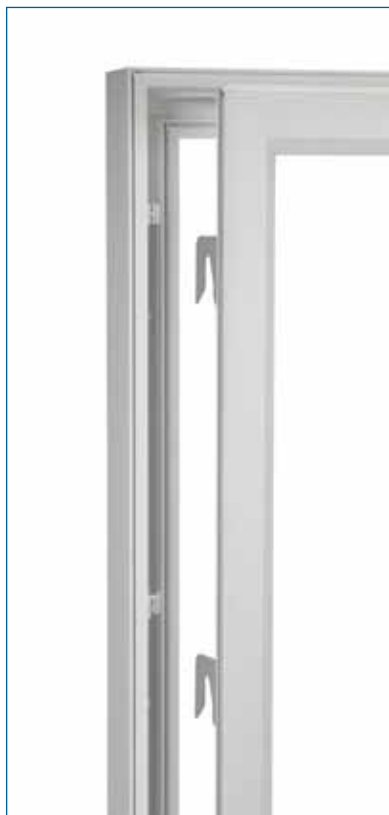
Double Pane, Low-E *Plus*™ with Argon Gas and Intercept®: U-Factor 0.27



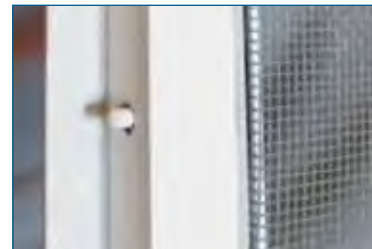
Due to the unique hinge design our casement is easy to clean...inside and out...from inside the comfort of your home. Handle folds down for sleek look.



Multi-chambered casement sash and frame with Comfort Foam™ provide durability and insulation.



Hidden corrosion-resistant steel locking claws engage in self-lubricating keepers, ensuring a positive, secure and weather-tight seal.



New invisible retention hardware system eliminates unsightly screen clips used on traditional casements.



Multi-point lock activator engages or disengages multiple sash locks with one easy single lever design.





Optional Painted Aluminum Roofs are available in 28 decorator colors. Optional Wood Roof System also available.



Optional Decorative Glass is available in a wide variety of glass colors and patterns. Optional Copper Roof System can be preserved with Incralac protective coating, or allowed to turn Patina Green over time.



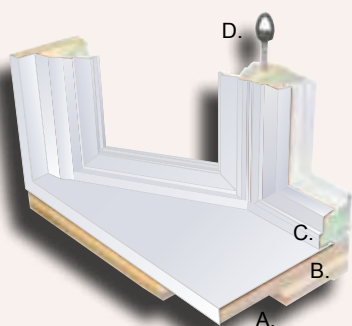
## Enhance any room with the three-dimensional effect of a Bay, Bow or Garden window.

- Your choice of 3- to 6-lite configurations.
- Your choice of 10°, 15°, 30°, or 45° projections.
- Available with operating end casements, double hungs or picture windows.
- Glass options for all Bays and Bows include High Performance Low-E; Ultra™ triple-glazed; Ultimate™ triple-glazed; tinted and tempered glass.
- Optional Contour and Flat Grids are contained within the insulated glass.



## Garden Window Option

Garden windows can be ordered with a Du Pont™ Corian® Seat insert that is impervious to water and scratching... ideal for plants. This optional seat comes in Cameo White, Beach, Primrose, Sunset, Malachite and Dusk.



## Standard Bay/Bow window construction features:

- A. 1.25" thick laminated hardwood.
- B. Standard R-9 Super Seat™ insulated seat board with 3/4" exterior-capped plywood.
- C. All mull cavities are insulated completely with Comfort-Foam™ for maximum energy efficiency.

- D. Chain support system standard for additional strength.
- Knee brackets must be installed if roof overhang prevents use of chain system.

# High-Performance Glazing Options

We utilize the best available glass products from leaders in the industry who focus exclusively on glass fabrication. Our technologically-advanced, robotically manufactured insulated glass packages offer a choice of insulation performance which can be tailored to your geographic location and directional sun exposure. This ability to fine tune your windows' performance

can assure maximum energy savings and resistance to condensation. For more information about these organizations please visit:



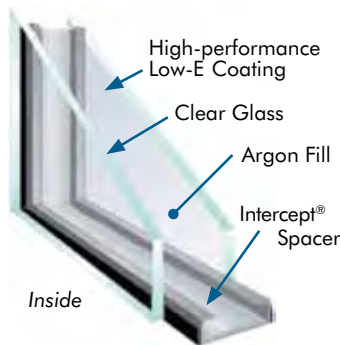
[www.energystar.gov](http://www.energystar.gov)



[www.nfrc.org](http://www.nfrc.org)

## High Performance LOW-E *Plus*™ Glass with Argon Gas and INTERCEPT® SPACER

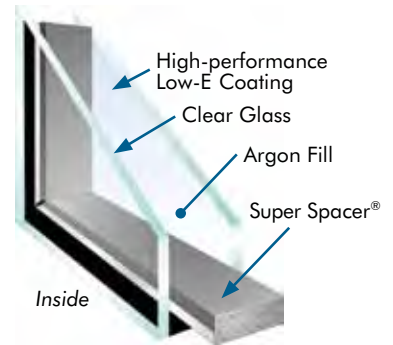
ENERGY STAR® Qualified in Highlighted Regions	
VINYL DOUBLE HUNG ENVISION WINDOWS Double Glazing, Argon Fill, Low-e	
ENERGY PERFORMANCE RATINGS	
U-Factor (U.S./I-P)	Solar Heat Gain Coefficient
<b>0.28</b>	<b>0.29</b>
ADDITIONAL PERFORMANCE RATINGS	
Visible Transmittance	Condensation Resistance
<b>0.55</b>	<b>56</b>



## High Performance LOW-E *Plus*™ Glass with Argon Gas and *Super Spacer*

**METAL FREE**

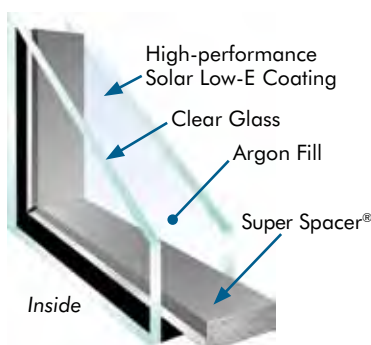
ENERGY STAR® Qualified in Highlighted Regions	
VINYL DOUBLE HUNG ENVISION WINDOWS Double Glazing, Argon Fill, Low-e	
ENERGY PERFORMANCE RATINGS	
U-Factor (U.S./I-P)	Solar Heat Gain Coefficient
<b>0.27</b>	<b>0.29</b>
ADDITIONAL PERFORMANCE RATINGS	
Visible Transmittance	Condensation Resistance
<b>0.55</b>	<b>60</b>



## High Performance Solar Low-E Glass with Argon Gas and *Super Spacer*

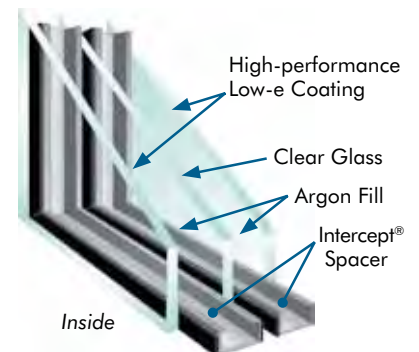
**METAL FREE**

ENERGY STAR® Qualified in Highlighted Regions	
VINYL DOUBLE HUNG ENVISION WINDOWS Triple Glazing, Argon Fill, Low-e	
ENERGY PERFORMANCE RATINGS	
U-Factor (U.S./I-P)	Solar Heat Gain Coefficient
<b>0.26</b>	<b>0.21</b>
ADDITIONAL PERFORMANCE RATINGS	
Visible Transmittance	Condensation Resistance
<b>0.51</b>	<b>60</b>



## High Performance Ultra Glass™ with Argon Gas and INTERCEPT® SPACER

ENERGY STAR® Qualified in Highlighted Regions	
VINYL DOUBLE HUNG ENVISION WINDOWS Triple Glazing, Argon Fill, Low-e	
ENERGY PERFORMANCE RATINGS	
U-Factor (U.S./I-P)	Solar Heat Gain Coefficient
<b>0.22</b>	<b>0.27</b>
ADDITIONAL PERFORMANCE RATINGS	
Visible Transmittance	Condensation Resistance
<b>0.44</b>	<b>64</b>



All NFRC labels refer to whole window performance, not just the insulated glass unit.

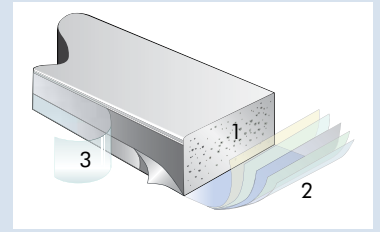


# Advanced Insulated Glass Unit Technology

## Super Spacer®... The Truewarm® Spacer

SUPER SPACER is the world's only 100% foam, METAL FREE Warm Edge sealing system. Super Spacer between the panes of an insulated glass unit blocks the heat escape path and provides one of the best thermal performances in the industry. Metal Free Super Spacer is flexible and resists stress. The less metal you have, the lower your U-Factor, and the more energy efficient your window is.

1. Thermoset silicone foam matrix.
2. Proprietary multi-layer vapor barrier.
3. Structural adhesive combines with perimeter edge sealant for dual performance and durability.



## Super Spacer® Health Smart Glass Units Minimize Condensation And Mold



Super Spacer fights condensation and mold like no other warm edge spacer.

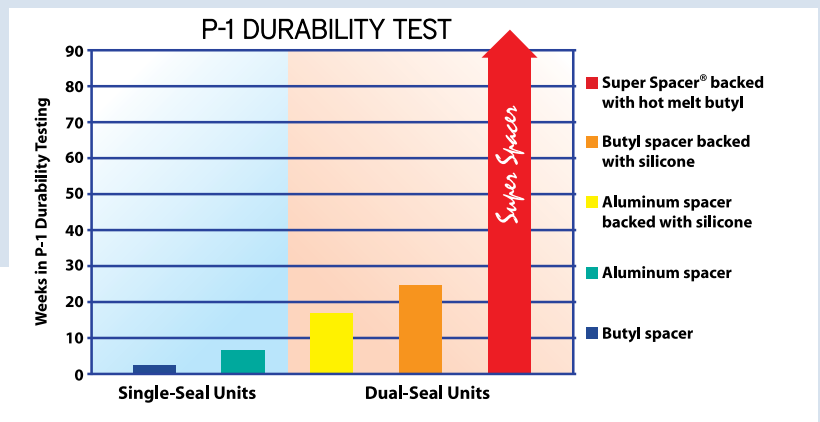
The primary window condensation culprit is the spacer between the glass panes. Common spacers conduct heat and cold, causing condensation at the edge of the glass. Only a warmer edge surrounding the glass will strike at the heart of the problem. The world's only TrueWARM® edge occurs with Super Spacer, the insulating foam spacer that reduces condensation and allows for comfortable household humidity levels.

- Window condensation contributes to mold growth inside window and wall openings and can lead to unsightly stained wood, peeling paint, and rotted frames.
- Mold has been linked to child asthma, general respiratory illness, allergies, and outbreaks of fungal diseases.

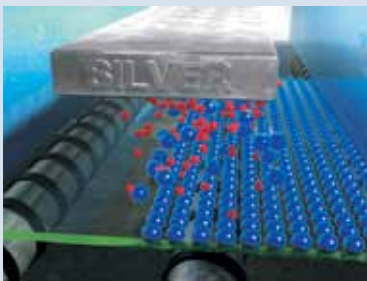
## Super Spacer® Is Durable

Super Spacer sealed units have up to twenty times the life expectancy of single seal insulating glass systems. The P-1 durability test at left shows the dramatic difference Super Spacer makes in the longevity of your insulated glass system.

The P-1 test is considered to be the world's toughest durability test. All units are continuously exposed to 140°F (60°C), 95-100% humidity and constant UV bombardment. Each week of testing is equivalent to approximately one year of actual field use. Super Spacer units have also tested to show a loss of less than 1% Argon gas in 5-years of service life simulation.



## Low-E Glass Manufacturing Process



High-tech robotic equipment hermetically seals the glass in a vacuum and then applies silver, titanium and other metal sputter deposits on annealed glass to produce low-e.

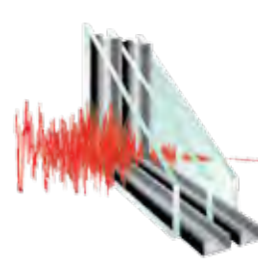
## Superior Ultra Violet Protection



Damaging UV Rays from the sun will fade your wood and fabric furnishings! Ultra Triple Pane Glass provides up to 87% UV fade protection.

## Advantages Of Triple Pane Glass

Due to the extra pane of glass, insulating gases, and special low-e coatings, triple pane glass windows excel at conserving energy. In addition, they provide more security, fade protection, and are an excellent sound barrier from outside noises.



Outside noises from lawn mowers and traffic are dramatically reduced by triple pane glass.

# Air Infiltration

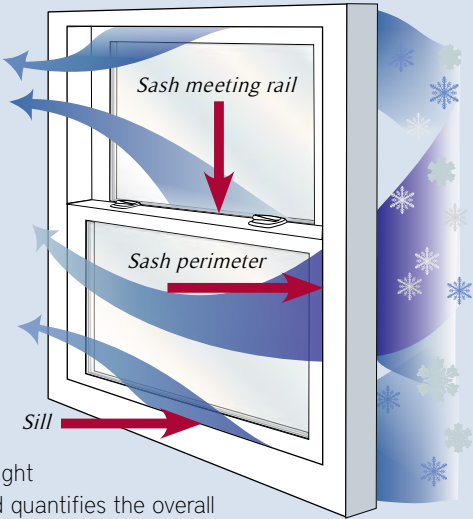
## Why Do Windows Leak Air?

Poorly designed windows don't have the built-in airlocks, weatherstripping, and barriers necessary to keep air from forcing its way in. Without these design features air will push between the sash meeting rails and around the sash perimeter.

We know how uncomfortable a home with leaky windows is. So, to keep you comfortable, we loaded the Envision window with weather barriers that go far beyond the industry standard and other manufacturer's window designs. The Envision window is so superior that it leaks only a fraction of what all other typical vinyl and wood windows leak.

The Envision window has earned the prestigious AAMA Gold Label Certification for air performance.

Areas Of Air Infiltration  
Example of a poorly designed window











## Structural Design Performance

The American Architectural Manufacturers Association ([www.aamanet.org](http://www.aamanet.org)) is the source of performance standards, product certification and educational programs for the window, door and skylight industry. AAMA executes no test for thermal performance like the NFRC. Instead, AAMA measures and quantifies the overall performance characteristics of the window design itself. First, the test specimen window is tested for **air leakage** by a fraction of cubic feet per minutes at 25 mph winds. Next, the same window is subject to the equivalent of an exceptional 8" per hour **rainfall** at increasing wind speed until water actually penetrates established barriers and diversions in design through the window. Finally, the same window is blown dry under **increasing wind speed** until it eventually breaks. Envision is one of the best-performing AAMA Gold Label Certified products in the window industry.



Air Infiltration Comparison Chart

CFM (Cubic feet per minute)	=	GALLONS	=	12 OZ. SODA CANS
Industry Standard** .30 CFM of air leakage per minute		 2.25 gallons of air leakage per minute		 24 soda cans of air leakage per minute (288 oz/min)
Traditional Wood Residential Double Hung Windows (Pella/Marvin/Jeld-Wen/Andersen) .23 CFM avg. air leakage per minute Industry Average Range from 0.12CFM to 0.30CFM*		 1.725 gallons of air leakage per minute		 18.4 soda cans of air leakage per minute (220.8 oz/min)
At the above rate Envision Windows are over <b>3 1/2 TIMES MORE AIR TIGHT</b> than traditional wood residential double hung windows.				
Traditional Vinyl Residential High Performance Double Hung Windows (Alside/Simonton/Champion) .15 CFM avg. air leakage per minute Industry Average Range from 0.11CFM to 0.21CFM*		 1.125 gallons of air leakage per minute		 12 soda cans of air leakage per minute (144 oz/min)
At the above rate Envision windows are <b>2 1/2 TIMES MORE AIR TIGHT</b> than traditional vinyl residential high-performance double hung windows.				
<b>ENVISION</b> PREMIUM WINDOW SYSTEM .06 CFM of air leakage per minute		 0.44 gallons of air leakage per minute		 4.6 soda cans of air leakage per minute (56.3 oz/min)

\*References valid as of October 1, 2010 based on our competitors' websites and independent testing.  
\*\*Industry Standard: AAMA (American Architectural Manufacturers Association) has set the Industry standard for Maximum Allowable Air Infiltration at .30 CFM (Cubic feet per minute) during a 25 mph wind. This is equal to 2.25 gallons or 24 soda cans of air leaking through the window every minute!

Consider this: You would need to combine more than 15 ENVISION WINDOWS to get as much air leakage as FOUR TRADITIONAL WOOD residential double hung windows, and more than 10 ENVISION WINDOWS to get as much air leakage as FOUR TRADITIONAL VINYL HIGH-PERFORMANCE double hung windows.





**Add beauty, enjoyment  
and value to your home.**

A Lifetime Of Protection. All Envision products are manufactured by the recognized leader in product innovation with uncompromising quality control. From the day your windows and doors are installed to the day you sell your home our comprehensive non-prorated lifetime limited warranty is your assurance that your investment is protected. Additionally your warranty is completely transferable to the next home owner. Contact a Window Nation consultant for more information and a copy of the warranty.

Expert Installation. All Envision products are installed by experienced factory certified licensed professionals to guarantee the job is completed correctly the first time. Additionally only premium factory approved installation materials are used on every installation, not cheap builder's grade products.



Reputation Built on Decades of Experience. We install only the highest quality products manufactured exclusively for us by Soft-Lite; one of the premier manufacturers of quality windows and doors in the country celebrating over 75 years in the business. As an established family business we strongly support and are proud to be members in good standing with the Better Business Bureau, NARI and Angie's List. We are licensed and in good standing with every state we service and carry a multi-million insurance policy including Worker's Compensation for your peace of mind and protection.

Quality Certified Products. Every Window Nation window and door product has been independently tested and approved by the NFRC, AAMA, Energy Star and the Efficient Window Collaborative.



**1.866.60.NATION  
1.866.606.2846**

**www.WindowNation.com**

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Glen Burnie, MD 21061

**Window Nation – Ohio**  
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Bedford Hts, OH 44146

**Window Nation – Charlotte**  
15905 Brookway Drive  
Huntersville, NC 28078

**Window Nation – VA**  
8198 Terminal Road  
Lorton, VA 22079

Window Nation currently services the following areas:

- Greater Baltimore
- Metro D.C.
- Northern Virginia
- Richmond, Virginia
- Northeastern Ohio
- Columbus, Ohio
- Pittsburgh, PA
- Charlotte, NC



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