

Builders Know The Difference.





## The Vector Difference.

At Vector, we believe hard work and a “get-it-done” attitude are the secrets to lasting success. That’s something we learned from professional builders. We also learned to take pride in our work and that excuses aren’t an option.

It’s that uncompromising commitment to builders that informs our unparalleled service and exceptional craftsmanship. With Vector, you’ll find quality windows and doors that help builders achieve better results with quick delivery times, personalized service and minimal call backs.

If you’ve ever used our windows, you already know the difference we bring to the table. If you haven’t, we hope you’ll take this opportunity to see what all the fuss is about.

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# Builder Focused Services

## A Job Well Done Starts Here.

It's not enough to build great windows and doors. If you can't get reliable, on-time delivery and the service and support you need, even the best products aren't worth a lot. At Vector, our priority is helping you get the job done right, without the hassle.



### Reliable Delivery

You don't have time to wait around, not knowing when your windows & doors will arrive. That's why all of our standard products—including custom sizes—are available in less than two weeks. When time is money, can you afford to waste yours?



### Your Questions Answered

Need help with a difficult order? Not sure which product can get the job done best? Our engineering team is here for you. Call us, and a real person will answer the phone to give you the help you need.



### Service You Can Trust

Vector's eService system allows builders or homeowners to make a service request or check the status of an existing request online, taking the hassle out of receiving service. We follow up every service request with a personal phone call. We work quickly to resolve your request, with full resolution averaging less than 7 business days.



### Factory Tours & Training

Sometimes you just have to see it in action. Schedule a factory tour, and we'll show you just what goes into every Vector window & door and why builders choose our products. Our in-factory product training gives your crew the expertise they need to get the job done quickly.

# The Things that Matter Most.



## Superior Quality

Our products work right the first time, with easy installation and trouble-free maintenance. This means you'll have few, if any, expensive and headache-inducing call backs.



## Unparalleled Service

Great service is at the heart of our culture at Vector. We're real people who will answer the phone when you call, and if there is ever a problem with our windows or doors, we will make it right, period.



## Personal Attention

Since every order is unique, you can't afford to be treated like just another account. At Vector, we'll work with you to meet your specific needs and exceed your expectations.



## Exceptional Craftsmanship

We've been making the highest quality windows & doors for more than 20 years. We are proud of our work and the individual effort that goes into every product we make.

# Energy Efficient Alternative

Envision windows use Innergy Rigid Thermal Reinforcements instead of aluminum to improve window thermal and structural performance. Which helps reduce condensation and allows for more comfortable household humidity levels.

## The High-Performing Alternative to Aluminum Inserts

Superior performance doesn't get much easier than this.

Innergy Rigid Thermal Reinforcements are advanced fiber glass reinforced resin inserts, designed to slide easily into window and door frame chambers for greater support and insulation.

The result is a new, more efficient system with all the strength and structural reinforcement of aluminum, but with a whole new set of high performance benefits for the home.



**INNERY**  
Rigid Thermal Reinforcements



Innergy and Aluminum in a 32 degree ice bath

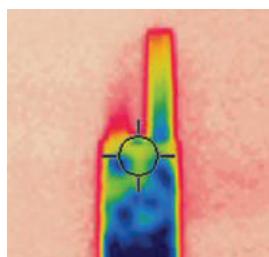


Photo taken after one hour ice bath

## Innergy is the innovative, energy-efficient alternative to aluminum.

As the next-generation of thermal reinforcement for the industry, Innergy is able to deliver a quantum leap above aluminum in how windows perform:

### Better thermal performance

Up to 700 times better than aluminum in material-to-material comparisions.

### Better thermal break

Impervious to cold or heat

### Better protection against condensation

Helps prevent staining that can occur with metal reinforcements

### Better impact testing

Resistance to impact versus other reinforcement products

### Better flexibility

Will not permanently set when impacted

# High Efficiency Comes Standard.

For more information on energy efficiency and sustainable building, visit [EnergyStar.gov](http://EnergyStar.gov) & [SustainableEnergyCoalition.org](http://SustainableEnergyCoalition.org).

## Beyond Lower Costs

The LoE coating on every pane of glass in Vector windows & doors helps to protect interiors from sun damage by blocking harmful ultraviolet rays, without noticeably reducing visible light. Our windows & doors also deliver more comfort and create less condensation than conventional alternatives.

Traditional metal spacers conduct heat and cold, which causes condensation at the edge of the glass. This condensation is unsightly, and can contribute to unhealthy mold growth. A warmer edge all the way around will strike at the heart of the problem. Vector windows & doors use an industry-leading, non-metallic insulating structural foam spacer which helps reduce condensation and allows for more comfortable household humidity levels.



We use an industry-leading, non-metallic spacer to dramatically reduce condensation at the edge of the glass.

## Green Throughout

At Vector, we're committed to conservation and protecting our environment. Because of their energy efficiency, homes with our windows & doors don't require as much electricity to heat and cool, which decreases unnecessary carbon emissions. We've also taken a number of steps to reduce the waste expended to create them. The material scrap generated by our manufacturing operations is recycled or reused. This includes all of the major components of our products—glass, vinyl, and metal. In addition, our saws and glass cutter utilize optimization software to greatly reduce the amount of material waste generated.

We have worked to make our factory as green as possible. To this end, we've installed high-efficiency lighting and programmable thermostats, and we've optimized the layout of our equipment to significantly cut our energy usage. Moreover, our production facility does not create any emissions that are harmful to the environment.



We recycle or reuse all of the scrap generated by our manufacturing operations, including glass.

## Money Saving Efficiency

Our standard double-pane, LoE coated, double-strength glass can dramatically reduce window heat loss, because the interior glass stays warmer in cold temperatures, protecting homes from the chill of winter. In the summer, the windows transfer less heat, because the sun is filtered and reflected back outdoors. That means lower energy costs, no matter the climate.

# Product Lines



## Advantage Series

Our Advantage Series is designed for performance. When you need windows & doors that will get the job done and look great doing it, look no further. Advantage Series products offer a  $2\frac{11}{16}$ " frame depth, perfect for new construction applications. These windows & doors are fusion welded and hand-finished by our professional craftsmen to exceed your expectations. Unlike many "builder-grade" product lines, we didn't cut any corners with our Advantage Series products. We use the highest quality materials available, creating a value-packed product line to meet your needs.



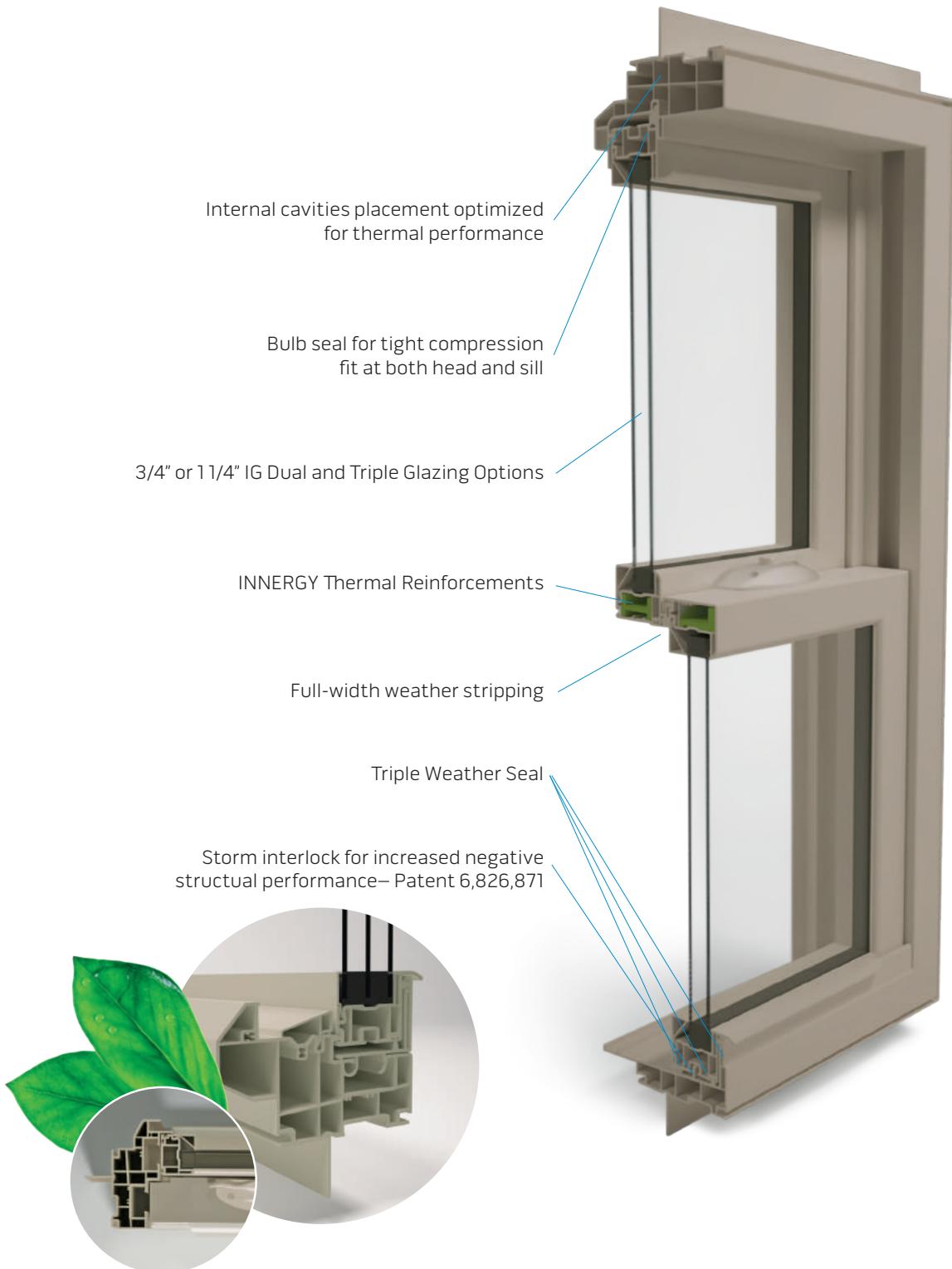
## Envision Series

Sometimes life calls for an upgrade. Our Envision Series windows clearly stand above the competition. This robust product line features fusion-welded frame & sash panels.

Envision Series windows feature a full  $3\frac{1}{4}$ " frame depth, with an enhanced architectural profile on the exterior. Equipped with more finishes and accessories—including our fully-welded brickmould system, bronze laminate exterior and light or dark oak woodgrain laminate interiors they'll always make you look good.

## Envision Series

Take a closer look at the new window system that is designed to meet the criteria for ENERGY STAR® 6.0 ratings that went into effect in 2016. Better yet, it meets the new standards without costly upgrades.



# Features Builders Love

## A Joy to Work With.

They say beauty is only skin deep, and a great-looking product that's hard to install and difficult to maintain isn't much use to anyone. Vector windows & doors have been designed with builders in mind.

### Extension Jambs

Wall thicknesses vary greatly. Vector windows come in a variety of custom jamb depths, so you can always create a perfect fit. Moreover, extension jambs are available applied or loose and come in a variety of wood or vinyl veneers.



### Welded Brickmould

Our welded brickmould system allows Envision windows to be installed from the exterior. The snap-in cap completes the finished look and allows for fast, beautiful installation. It's easy-to-measure, lets you keep existing siding and can be installed by a single person.



### Multiple Receiver Sizes

Vector windows can be equipped with either  $\frac{5}{8}$ " or  $\frac{3}{4}$ " receivers to accommodate the extension jambs you prefer to use. Receivers are pre-cut to length and can be shipped loose or pre-applied in our factory.



### Incredibly Strong

You won't find any flimsy windows here. Envision windows have reinforced check rails and sashes to ensure they'll stand the test of time. For large windows, we include dual locks, ensuring a weather tight seal.



### Replacement Option

Any of our windows can be ordered in custom sized  $\frac{1}{8}$ " increments for a perfect fit. Choose our "Retro" configuration, and we'll remove the nail fin, drill the appropriate holes, provide plugs, screws and sill angle, so you'll have everything you need for the job.



# Options & Upgrades

Master craftsmen know it's the smallest details that make a work of art something truly special. At Vector, we pay particular attention to those finishing touches.

## Finishes



White  
Exterior &  
Interior



Almond  
Exterior &  
Interior



Clay  
Exterior &  
Interior



Laminate Bronze  
Exterior & White  
Interior



Light Oak  
Laminate Interior. White or Clay Exterior.



Dark Oak

## Painted Exteriors



Bronze



Cocoa



Hunter Green



Brick Red



Terratone

Also available in almond, clay and custom color request.

## Extension Jambs



White



Almond



Clay



Light Oak  
Laminate.



Dark Oak  
Laminate.



Oak



Pine

Wood Veneer. Other species  
available upon request.

## Glazing



Standard LoE Coating

Double-strength insulated glass  
filled with argon gas. Comes with  
a warm-edge spacer.



LoE<sup>3</sup> Coating

Three layers of LoE to improve  
energy efficiency even further.



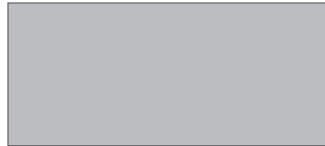
Tempered Glazing

To improve strength & safety.



Obscure Glazing

Provides privacy while still  
allowing light through.



Specialty Glass

Tinted, rain, and other specialty  
glass is available upon request.



Triple Pane Glass

The ultimate in glass efficiency  
is available in our Envision series  
windows.

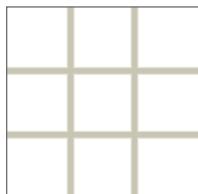
# Details Make the Difference.

## Grilles

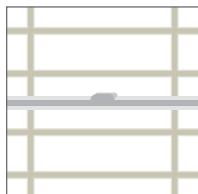
Vector windows are available with color-coordinated grilles between the glass. Grilles measure either  $\frac{9}{16}$ " (standard) or 1" wide.



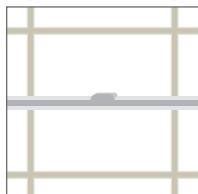
None



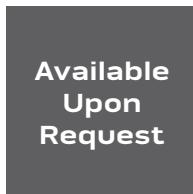
Colonial



Prairie



Special Prairie  
(Heritage)



Custom

## Screens

Half fiberglass screens come standard on single-hung and glider units, while double-hung windows come with full screens, as do casements and awning units. We also offer aluminum & **ClearScene** screen mesh as optional upgrades. ClearScene screens are a superior choice for keeping out bugs, while offering 50 percent more clarity than standard screens.



## Window Hardware



Lock & Keeper

Available in color-coordinated finishes and warrantied to last a lifetime.



Folding Handle

Casement hardware folds down for an unobstructed view.



Night Latches

Let the fresh breeze in while limiting the sash opening.

## French Sliding Door Hardware

French sliding door hardware is available in many different finishes to complement any home.



White



Almond



Clay



Antique  
Brass



Oil Rubbed  
Brass



Satin Nickel

# Advantage Single-Hung Windows

A-SH



Advantage Single-Hung windows are a popular standard, built to last a lifetime. With their heavy-duty block and tackle system, these windows open and close with ease. They come in a wide range of sizes and configurations and can be combined with geometric shapes and radius units to create a custom look to fit any home.

## Fusion-Welding

All Vector windows have a fusion-welded main frame and sash for enhanced performance and durability.



## Easy Operation

Block and tackle balances provides extra lift assistance for easy operation, while the removable sash makes cleaning easier.



## Strong Seal

The integrated full-perimeter nailing fin and pile weatherstrip ensure a weathertight seal to reduce drafts and protect against leaks.



# Advantage Glider Windows

A-GL



Advantage Glider windows offer a sophisticated look. Advantage gliders are the answer for builders caught between style, performance and cost. Our unique design brings the flexibility of radius tops and transoms to a popular window.

## The Right Fit

Available in double or triple-sash configurations to meet your unique needs. Advantage Gliders are also available in end-vent or center-vent configurations.



## Smooth Operation

Self-cleaning brass carriage rollers will smoothly perform beyond expectations for years to come.



## Efficient & Functional

The integrated full-perimeter nailing fin and pile weatherstrip ensure a strong seal to reduce drafts and leaks. The sash can be removed for easy cleaning.



# Envision Casement Windows



Envision Casement and Awning windows come in a wide range of sizes and configurations and can be complemented with geometric and radius shapes. The continuous main frame design gives these windows simple beauty you can take pride in.

NVC



## Continuous Head & Sill

Envision Casement and Awning windows have a continuous head and sill on multiple wide units up to eight feet wide. This provides clean sight lines, and ensures there's more visible glass to enjoy.

## Easy Operation & Cleaning

Smooth operating hinges permit our casement windows to open a full 90 degrees for full ventilation. Our "washability" hinges are designed so the sash will pivot in towards the center of the window, allowing easy cleaning from the inside of the home.

## Egress Hardware

Optional egress hardware is available to allow more sizes to meet egress codes.

## Security & Design

The multi-point locking hardware system ensures peace of mind, while stylish folding handles eliminate interference with blinds.

## Ultimate Energy Efficiency

Want to achieve the ultimate in energy savings? Our Envision Casement and Awning windows are available with triple-pane glass.

# Envision Single-Hung Windows



NVH

Envision Single-Hung windows offer hassle free operation, low maintenance and traditional styling. With their constant force balance system, these windows open and close with ease. Give your home a distinctive look by combining with picture windows and specialty shapes.



## Performance

Telescoping welded sill detail improves performance and structural rigidity. Our high-performance sloped sills are made from a single extrusion, which makes them stronger and more durable. Multi-chambered extrusions and storm interlock improve energy efficiency and structural performance.

## Easy Operation

Constant force balances provides extra lift assistance for easy operation, while our tilt latches allow the bottom sash to tilt in for easy cleaning from the inside.

## Strong Seal

The integrated full-perimeter nailing fin and triple weather seal ensure a weathertight seal to reduce drafts and protect against leaks.

## Continuous Head & Sill

Envision Single-Hung windows have a continuous head and sill on multiple wide units up to eight feet wide. This provides clean sight lines, and ensures there's more visible glass to enjoy.

## Ultimate Energy Efficiency

Want to achieve the ultimate in energy savings? Our Envision Single-Hung windows are available with triple-pane glass.

# Envision Double-Hung Windows



Envision Series Double-Hung windows provide the beauty of hassle-free operation, low maintenance and traditional styling. Both sashes open and close with ease and tilt in for effortless cleaning. Give any home a distinctive look by combining these with picture windows and specialty shapes.



NVDH

## Performance

Telescoping welded sill detail improves performance and structural rigidity. Our high-performance sloped sills are made from a single extrusion, which makes them stronger and more durable. Multi-chambered extrusions and storm interlock improve energy efficiency and structural performance.

## Easy Operation

Constant force balances provide extra lift assistance for easy operation, while our tilt latches allow both sashes to tilt in for easy cleaning from the inside.

## Strong Seal

The integrated full-perimeter nailing fin and triple weather seal ensure a weathertight seal to reduce drafts and protect against leaks.

## Continuous Head & Sill

Envision Double-Hung windows have a continuous head and sill on multiple wide units up to eight feet wide. This provides clean sight lines, and ensures there's more visible glass to enjoy.

## Full Screens

Open both the top and bottom sashes to allow for ventilation, while still keeping bugs out with full screens, which come standard on Envision Double Hung windows.

## Ultimate Energy Efficiency

Want to achieve the ultimate in energy savings? Our Envision Double-Hung windows are available with triple-pane glass.

# Envision Glider Windows



Envision Glider windows offer a bold, traditional look, while heavy-duty construction and design deliver exceptional performance ratings. Our unique design brings the flexibility of radius tops, transoms to a popular.



NVG

## The Right Fit

Envision Gliders are available in standard single vent, double vent and end-vent configurations.

## Smooth Operation

Anti friction polymer sweep that continuously cleans the track and lets the window slide smoothly and quietly.

## Strong Seal

The integrated full-perimeter nailing fin and triple weather seal ensures a strong seal to reduce drafts and leaks. The sash can be removed for easy cleaning.

## Concealed Hardware

Sash locks are discreetly hidden from sight, ensuring an uninterrupted view of your surroundings.

## Ultimate Energy Efficiency

Want to achieve the ultimate in energy savings? Our Envision Glider windows are available with triple-pane glass.

## Double Glider

With Envision Double Gliders, both sashes are fully operational, providing the most flexibility.

# Special Shapes



A-SP

Give any home a custom look. At Vector, we can design specialty windows to your exact specifications. Use any of our non-standard shapes as single units, or combine them with any of our standard window systems.

## Advantage & Envision Series

### Extension Jambs & Casing

Optional extension jambs and casings help you customize any home. We can provide extension jambs and casing to match even arched or other special window shapes.

NVSP

### Custom Sizes

All shapes are available in almost any custom size you need allowing you to create a truly unique design.

## Envision Bays and Bows



Bay and Bow windows increase the flow of natural light into a home and provide a view of the outside that is unavailable with an ordinary window. Bay and Bow windows can be designed with a number of windows, angles and finish options to suit any style.

### Wide View

Envision Bay & Bow windows have a minimum width of 48" and a maximum width of 144". Combine fixed picture windows with operating units to create a truly customized design.

### Product Options

Bay and Bow windows are made with Envision Casement, Single Hung and Double Hung windows. Standard configurations provide venting units on each end, with fixed units in the middle, but they have the ability to be customized to the configuration of your choice.

# Full View Sliding Patio Doors



Full View Sliding patio doors incorporate enhanced performance and ease of installation in a door system that has all the flexibility needed for today's design trends. This door meets ENERGY STAR requirements for high performance and complements either style of windows you choose.



## Welded Frame & Sash

The fully-welded frame and sash provide extra strength & performance. Mechanically fastened patio doors have a less-than-perfect track record, so we weld every corner to ensure lasting performance.

## Rolling Insect Screen

Let the refreshing breeze blow in while keeping the bugs out with our rolling insect screen. Each door comes standard with a heavy-duty extruded screen that has steel wheels for superior durability.

FVPD

## Hardware Options

Full View Sliding patio door handles come in White, Almond, Clay and can be ordered with an optional keyed lock set.

# French Sliding Patio Doors



French Sliding patio doors give the appearance of a traditional swinging french door with wider styles and adjustable multipoint lock system. This elegant door meets ENERGY STAR requirements and compliments either style of windows you choose.



## Sophisticated Look

French Sliding patio doors add a bold architectural look to any home with their wide sash panels. Optional sidelights and transoms are available to enhance the look.

## Beautiful Hardware

Multiple hardware options are available to improve the beauty of any home. Choose the option that fits the best from white, almond, clay, satin nickel, antique brass and oil rubbed brass.

## Blinds Between Glass

White blinds are offered between the glass in the French Sliding patio door with a rough opening of 72" x 80 1/4".

FSD

# Test Performance Data

All Envision products meet or exceed the published results shown below for structural strength, water resistance and air infiltration. Furthermore, all Vector windows and doors are tested and certified for thermal performance by National Fenestration Rating Council (NFRC). Quality and performance are assured through testing and plant inspections by this agency.

All data provided are in accordance with all American Society for Testing and Materials (ASTM) guidelines set forth in NFRC-100/200/500 and AAMA / WDMA/CSA 101 I.S. 2/A440-11, NAFS 2011 - North American Fenestration Standard/Specification for Windows, Doors and Skylights.

Due to continued ongoing product testing, the information provided can be changed by Vector at any time without notification. This data will supersede any previous data published by Vector.

## Structural Performance Data

Product	Size Tested	Performance Grade	Air Infiltration	Water Resistance	Forced Entry
Advantage Single Hung Window	48" X 78"	H-LC30	.14 CFM/FT <sup>2</sup>	6.90 PSF	GRADE 10
Advantage Single Glider Window	72" X 60"	HS-R20	.12 CFM/FT <sup>2</sup>	5.43 PSF	GRADE 10
Advantage Picture Window	60" X 60"	LC-PG30	<.01 CFM/FT <sup>2</sup>	6.00 PSF	GRADE 10
Envision Casement Window	36" X 75"	R-PG50	.02 CFM/FT <sup>2</sup>	11.28 PSF	GRADE 10
Envision Awning Window	48" X 32"	LC-PG55	.02 CFM/FT <sup>2</sup>	12.11 PSF	GRADE 10
Envision Casement Fixed Window	72" X 75"	CW-PG50	<.01 CFM/FT <sup>2</sup>	12.11 PSF	GRADE 10
Envision Single Hung Window	48" X 75"	LC-PG45	.04 CFM/FT <sup>2</sup>	7.52 PSF	GRADE 10
Envision Double Hung Window	48" X 75"	LC-PG40	.05 CFM/FT <sup>2</sup>	8.35 PSF	GRADE 10
Envision Single Glider Window	72" X 60"	LC-PG50	.08 CFM/FT <sup>2</sup>	7.52 PSF	GRADE 10
Envision Double Glider Window	72" X 60"	LC-PG25	.07 CFM/FT <sup>2</sup>	9.19 PSF	GRADE 10
Envision Picture Window	72" X 75"	CW-PG35	.01 CFM/FT <sup>2</sup>	12.11 PSF	GRADE 10
Full View Sliding Patio Door	96" X 80"	R-PG20	.10 CFM/FT <sup>2</sup>	5.43 PSF	GRADE 10
French Sliding Patio Door	96" X 82"	R-PG40	.07 CFM/FT <sup>2</sup>	7.50 PSF	GRADE 10

Air Infiltration: ASTM E283 cubic feet per minute of air leakage per square footage of window or door.

Water Resistance: ASTM E547 no water leakage over the sill at the pressure shown; with four cycles of water, five minutes in duration.

Structural Performance: ASTM E330 pressure shown applied positive and negative to unit and held for 10 seconds, with no damage allowed.

Forced Entry Resistance: ASTM F 588 for windows, ASTM F 842 for patio doors.

# Test Performance Data

NFRC: Thermal & Solar Values		U-Value	R-Value	Solar Heat Gain		Visible Light		Condensation Resistance
Product		with or w/o Grilles	with or w/o Grilles	w/o Grilles	with Grilles	w/o Grilles	with Grilles	with or w/o Grilles
Advantage Single Hung Window	LoE3	0.29	3.45	0.22	0.20	0.51	0.46	60
	LoE2	0.29	3.45	0.33	0.30	0.57	0.51	60
Advantage Single Glider Window	LoE3	0.29	3.45	0.22	0.20	0.51	0.46	60
	LoE2	0.29	3.45	0.33	0.30	0.57	0.51	60
Advantage Picture Window	LoE3	0.26	3.85	0.24	0.22	0.57	0.51	62
	LoE2	0.27	3.70	0.37	0.33	0.64	0.57	62
Envision Casement Dual Pane	LoE3	0.25	4.00	0.21	0.19	0.48	0.44	61
	LoE2	0.26	3.85	0.31	0.29	0.54	0.49	60
Envision Casement Triple Pane	LoE3	0.16	6.25	0.18	0.17	0.35	0.32	73
	LoE2	0.17	5.88	0.27	0.24	0.43	0.39	72
Envision Awning Dual Pane	LoE3	0.25	4.00	0.21	0.19	0.48	0.44	59
	LoE2	0.26	3.85	0.31	0.29	0.54	0.49	59
Envision Awning Triple Pane	LoE3	0.17	5.88	0.18	0.17	0.35	0.32	73
	LoE2	0.17	5.88	0.27	0.24	0.43	0.39	72
Envision Casement Fixed Dual Pane	LoE3	0.24	4.17	0.23	0.21	0.54	0.48	60
	LoE2	0.25	4.00	0.35	0.31	0.60	0.54	60
Envision Casement Fixed Triple Pane	LoE3	0.15	6.67	0.20	0.18	0.39	0.35	72
	LoE2	0.16	6.25	0.30	0.27	0.48	0.43	72
Envision Single Hung Dual Pane	LoE3	0.26	3.85	0.21	0.19	0.50	0.45	59
	LoE2	0.27	3.70	0.32	0.29	0.56	0.50	59
Envision Single Hung Triple Pane	LoE3	0.17	5.88	0.19	0.17	0.36	0.32	74
	LoE2	0.17	5.88	0.28	0.25	0.45	0.40	74
Envision Double Hung Dual Pane	LoE3	0.27	3.70	0.21	0.19	0.49	0.44	60
	LoE2	0.27	3.70	0.32	0.29	0.55	0.49	60
Envision Double Hung Triple Pane	LoE3	0.18	5.56	0.18	0.17	0.36	0.32	72
	LoE2	0.18	5.56	0.27	0.24	0.44	0.39	72

## Test Performance Data

Product	U-Value		R-Value		Solar Heat Gain		Visible Light		Condensation Resistance	
	with or w/o Grilles	with or w/o Grilles	w/o Grilles	with Grilles	w/o Grilles	with Grilles	w/o Grilles	with Grilles	w/o Grilles	with or w/o Grilles
Envision Single Glider Dual Pane	LoE3	0.27	3.70	0.21	0.19	0.50	0.45	61		
	LoE2	0.27	3.70	0.32	0.29	0.56	0.50	60		
Envision Single Glider Triple Pane	LoE3	0.17	5.88	0.19	0.17	0.36	0.32	75		
	LoE2	0.17	5.88	0.28	0.25	0.45	0.40	75		
Envision Double Glider Dual Pane	LoE3	0.26	3.85	0.21	0.19	0.48	0.43	61		
	LoE2	0.27	3.70	0.31	0.28	0.54	0.48	61		
Envision Double Glider Triple Pane	LoE3	0.18	5.56	0.18	0.16	0.35	0.31	72		
	LoE2	0.18	5.56	0.26	0.24	0.43	0.38	72		
Envision Picture Dual Pane	LoE3	0.25	4.00	0.22	0.20	0.53	0.47	60		
	LoE2	0.26	3.85	0.34	0.31	0.59	0.52	60		
Envision Picture Triple Pane	LoE3	0.16	6.25	0.19	0.18	0.38	0.34	74		
	LoE2	0.16	6.25	0.29	0.26	0.47	0.42	74		
Full View Sliding Patio Door	LoE3	0.27	3.70	0.23	0.20	0.53	0.46	59		
	LoE2	0.28	3.57	0.34	0.30	0.59	0.52	58		
French Sliding Patio Door	LoE3	0.28	3.57	0.19	0.17	0.45	0.39	62		
	LoE2	0.29	3.45	0.29	0.26	0.50	0.44	62		

## Notes

# Limited Lifetime Warranty

Vector Windows ("Vector"), hereby offers a warranty (the "Warranty") pursuant to the specific terms and provisions in this Warranty Document below.

## Warranty

Pursuant to the terms, provisions, and limitations set forth in this Warranty Document, Vector hereby guarantees to the original consumer purchaser ("Original Purchaser") of Products (as defined below) that Vector will repair or replace any such Products that are defective in materials or workmanship and will pay the costs of all parts related to such repair or replacement and will pay the costs of all labor for the first two years. Whether Products are to be repaired or replaced will be determined by Vector, in its sole discretion. If repair is not commercially practical or cannot be made in a timely fashion, then Vector will replace any defective Products with replacement Products. Additionally, Vector, at its sole discretion, reserves the option to refund the purchase price for the Products rather than to repair or replace the Products. Vector reserves the right to modify or discontinue any of its Products. For the repair or replacement of modified or discontinued Products, Vector will have the right to substitute current Products and components of equal quality and as similar in appearance as possible.

## Covered Products

For purposes of this Warranty Document, "Products" mean any of the following: Vector windows or doors installed in a single family home (a "Home") by the builder as new construction or by the Original Purchaser as replacements.

## Persons & Times Covered

The Warranty starts on the date of purchase of the Home as new construction or the installation of Products in the Home as replacements (the "Start Date") and remains effective as long as the Original Purchaser owns and resides in the Home. Additionally, if the Original Purchaser sells the Home before ten (10) years has elapsed after the Start Date, the Warranty will be automatically transferred to the new owner(s) of the Home and any subsequent owners, based on the schedule of coverage listed in the paragraph below. The Warranty shall only be enforceable during the Warranty time periods described in this paragraph, the chart below, and the paragraph describing coverage for subsequent homeowners, and by the Original Purchaser or subsequent owner(s) that are provided rights under the Warranty in this paragraph and the chart below.

Homes owned & occupied by the Original Purchaser	
Coverage	Duration
Insulated Glass Unit (Seal Failure)	Lifetime
Vinyl Frame & Sash	Lifetime
Hardware	Lifetime
Product Related Labor (Excludes any installation or removal costs)	2 Years

## Coverage for Subsequent Homeowners

For owners subsequent to the Original Purchaser, insulated glass units are warranted against hermetic seal failure resulting in moisture between the glass panes at 100% of the material cost for the first ten (10) years, and at 50% of the material cost for years 11–20. Hardware and vinyl frame and sash parts are warranted against material defects at 100% of the material cost for ten (10) years. Labor coverage is included for the first two (2) years.

## Registration

The Warranty must be registered within 90 days of the Start Date (the "Registration Period"). The only way to register the Warranty is to mail the Warranty card to Vector before the end of the Registration Period. If the Warranty is not so registered with Vector within the registration period, the Warranty coverage will default to the coverage provided to subsequent homeowners as described in the chart above, notwithstanding anything in this Warranty Document to the contrary.

## Exceptions For Screens

Notwithstanding anything in this Warranty Document to the contrary, the Warranty will cease and end on the one (1) year anniversary of the Start Date for the following components of the Products: window screen frames, window screen mesh, door screen frames, and door screen mesh.

## Exclusions From Coverage

Notwithstanding anything in this Warranty Document to the contrary: (a) the Warranty does not cover damage or defects relating to misuse, abuse, the use of applied tints or films, alterations including but not limited to customer-applied finishes, normal wear and tear, broken glass, natural weathering of exterior finishes, acts of God (for example, fire, hurricane, tornadoes, storms, etc.), building settling, structural failures of walls or foundations, improper installation, improper storage, improper handling, or failure to properly care for and maintain the Products; and (b) normal wear, including discoloration, on hardware component finishes is not a defect and is not covered by the Warranty; and (c) for Products with argon gas-filled insulating glass, the gradual dissipation of insert gas that occurs naturally over time is not a defect and is not covered by the Warranty; and (d) wood and wood veneered extension jambs are not covered by the Warranty. (e) Insulated glass with blinds between the glass is not covered under this warranty. Manufacturer's warranty available upon request.

## Glass Breakage & Stress Cracks

As referenced above, the Warranty does not extend to glass breakage, with the exception of Stress Cracks as determined by a Vector representative. Stress cracks are covered for a period of 2 years.

## No Other Warranties & Exclusive Remedy

The Warranty and the liabilities and obligations thereto are in lieu of all other warranties, liabilities, and obligations, including all warranties of merchantability, of fitness for a particular purpose or otherwise, expressed or implied, in fact or by law. The Warranty states Vector's entire and exclusive liability and the exclusive remedy of the Original Purchaser and any subsequent owner of the Home for any claim in connection with the Products.

## Limitations

In no event will Vector be liable for any direct, indirect, special, incidental or consequential damages whatsoever, whether based on breach of express or implied warranty, breach of contract, negligence, strict liability or any other legal theory; and Vector's liability, under no circumstances, will exceed the purchase price for the defective Products under Warranty.



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