

Builders Know The Difference.

Advantage Series





## 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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## Aligning Our Priorities



No builder can afford to struggle with long lead times, unresponsive service or dissatisfied customers. That's why at Vector, we've built our reputation on crafting quality windows & doors that work right from the start. To prove our commitment to helping our customers get the service they need to get the job done, we focus on the things that matter to builders the most.

# 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.



## 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.

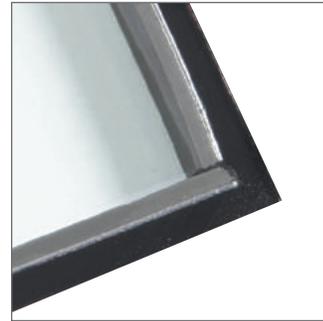
# High Efficiency Comes Standard.

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

## Product Lines



Vector windows & doors are simple to order, easy to install, delivered when you need them, and built to last. This means you'll have few, if any, call backs. We've designed everything we do around your needs, so you'll never have to wonder if you made the right decision.



## 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  $2^{1\frac{1}{16}}$ " 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.

# Builder Focused Services

## A Job Well Done Starts Here.

It's not enough to build great windows & 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 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. And we follow up every service request with a personal phone call, working 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 love them so much. Our in-factory product training gives your crew the expertise they need to get the job done quickly.

## 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 Jamb

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



### Multiple Receiver Sizes

Vector windows can be equipped with either 5/8" or 3/4" receivers to accommodate the extension jamba 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. Vector windows have structural mulls and metal-reinforced check rails 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 1/8" increments for a perfect fit. Choose our "Retro" configuration, and we'll remove the nail fin, provide the appropriate holes, 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 Color.



Almond



Clay



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 Jamb



White



Almond



Clay



Light Oak

Laminate.



Dark Oak

Laminate.



Oak

Wood Veneer. Other species available upon request.



Pine

## Glazing



### Standard LoE Coating

Double-strength insulated glass filled with argon gas.



### LoE<sup>3</sup> Coating

Three layers of LoE to improve energy efficiency even further.



### Tempered Glazing

To improve strength & safety.



### Obscure Glazing

Provides complete privacy while still allowing light through.



### Specialty Glass

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



### Triple Pane Glass

The ultimate in glass efficiency is available in our Casement & Awning products. Comes with a warm-edge spacer.

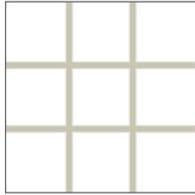
# Details Make the Difference.

## Grilles

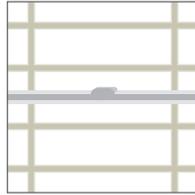
Vector windows are available with color-coordinated grilles between the glass. Grilles measure either  $\frac{3}{16}$ " (standard) or 1" wide.



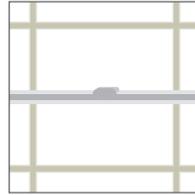
None



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.

## Door Hardware

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



White



Almond



Clay



Antique  
Brass



Oil Rubbed  
Brass



Satin Nickel

# Single-Hung Windows



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.

“Vector backs up the quality product promise with quality people behind the scenes. They are responsive, forward thinking and a pleasure to deal with.”

– Les S., Regional Lumber Yard in MN

## Advantage Series

### 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.



# Glider Windows



Glider windows offer a bold, sophisticated look, while heavy-duty construction and design deliver exceptional performance ratings. Our unique design brings the flexibility of radius tops, transoms and geometric shapes to a popular, value packed window. Vector gliders are the answer for builders caught between style, performance and cost.

“The staff at Vector has an extensive understanding of construction methods, and they consistently deliver on schedule.”

– David T., Commercial Contractor in St. Cloud, MN

A-GL

## Advantage Series

### 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.



## Special Shapes



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.

“We enjoy working with Vector. They have professionals in both the Sales & Service Departments. The windows they produce are exceptional.”

– Mike D., Lumberyard in Fergus Falls, MN

## Advantage 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.



A-SP

### Custom Sizes

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



## Sliding Patio Doors



Vector 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 high-value door system boasts Energy Star® performance and ease of adjustment.

# Free-Wheeling Performance.

"I just wanted to say that we could not be happier with Vector. Thanks for all the help and support we get on making sales of vinyl windows easy."

– Randy T., Lumberyard in Detroit Lakes, MN

## Advantage Series

### 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 with steel wheels for superior durability.



### Hardware Options

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



A-PD

## Diplomat™ Series

### Sophisticated Look

Diplomat 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

Available in Diplomat Sliding Door rough opening 72" x 80 1/4" white blinds only.



D-PD

# Test Performance Data

All Vector 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 and AAMA / NWWDA 101 I.S. 2-97, "Voluntary Specifications for Aluminum, Vinyl and Wood Windows & Glass Doors."

Due to continued ongoing product testing, the information provided can be changed by Vector at any time without notification. These data 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	6.90 PSF	GRADE 10
Advantage Single Glider Window	72" X 60"	HS-R20	.12 CFM	5.43 PSF	GRADE 10
Advantage Picture Window	60" X 60"	LC-PG30	<.01 CFM	6.00 PSF	GRADE 10
Advantage Sliding Patio Door	96" X 80"	R-PG20	.10 CFM	5.43 PSF	GRADE 10
Diplomat Sliding Patio Door	96" X 82"	R-PG40	.07 CFM	7.50 PSF	GRADE 10

\*Additional reinforcement needed to obtain rating. Additional charges may apply.

Air Infiltration: ASTM E283-91 cubic feet per minute of air leakage per square footage of window or door.

Water Resistance: ASTM E547-96 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: CMBSO / CAWM 301-90 for windows, CMBSO / CAWM 300-98 for patio doors.

# Test Performance Data

## NFRC: Thermal & Solar Values

U-Value = Heat Transmission Coefficient

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	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		
Advantage 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		
Diplomat 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		

The following ratings apply to standard or LoE/Argon filled, insulated units. Other testing data are available. Please call for details.

# 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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