

Vytex



# FORTIS SERIES®

A High-End Window Series  
Exclusively From Vytex





# A NAME YOU CAN TRUST

In 1988, after years in the industry, Andy Weinrub founded Vytex Windows and set out to make superior windows with the highest-quality materials and manufacturing standards.

More than three decades later, Vytex has grown to one of the largest privately-owned window manufacturers in the country and is still going strong as a family-owned-and-operated business. Andy's son, Adam, now serves as president, and the entire family is involved in the day-to-day operations of the company.

At Vytex, we craft custom windows and doors inside our state-of-the-art, 200,000+ square-foot manufacturing facility in the Baltimore-Washington region. We use cutting-edge technology and the industry's finest equipment to manufacture products that are strong and durable enough to withstand the test of time and last for decades in your home. Unlike many manufacturers, at Vytex, we insulate all our own glass in an on-site clean room, ensuring exceptionally clean glass that far exceeds industry standards.

Vytex is recognized as one of the top 100 window manufacturers in the country and has been awarded multiple Crystal Achievement Awards – a highly coveted award in the window and door industry. We're proud to be a member of the Fenestration & Glazing Industry Alliance and to maintain an A+ rating with the Better Business Bureau. Additionally, we partner with ENERGY STAR® to manufacture the most energy-efficient windows on the market.

When you choose Vytex for your home, you can be sure you are getting the absolute best products and service available.



**The Weinrub Family:** Adam, Magdalena, Andy & Olivia



## QUALITY THAT LASTS

**W**hen selecting windows for your home, quality, energy-efficiency and beauty are all important factors to consider. The Fortis Series from Vytex combines all of those features and more. Our windows are designed with every detail in mind; easy to operate, virtually maintenance free and ENERGY STAR® rated. Backed by over 30 years of experience, we guarantee our windows will meet or exceed your expectations. That's the Vytex promise.



## DOUBLE-HUNG

The elegant design and durability of our Fortis Series double-hung window brings style and efficiency to any home. Engineered to be low maintenance, our windows will never need to be painted. Sashes tilt in making cleaning easy and convenient, and our unique thermal construction, and insulated glass, offer advanced insulation capabilities. With outstanding strength, low air infiltration and added security features, you can trust the Fortis double-hung window series to perform for years to come.





# FEATURES & PERFORMANCE

## DURABILITY & DEPENDABILITY

Specially formulated PVC and welded sash and frame offers long-lasting durability.

## CLEAN WITH EASE

Both sashes are designed to tilt inward for accessibility and easy cleaning.

## SUPERIOR CURB APPEAL

European contoured cove with optional grid detail offers superior curbside appeal.

## MAXIMUM INSULATING CAPABILITIES

Three high-performance Low-E glass options and triple-fin weatherstripping virtually eliminate drafts while our special VyFoam™, in frame and sash, offers ENERGY STAR® rated insulation.

## ADDED STRENGTH & SECURITY

Our ThermaCore™ composite reinforcement provides added strength and security and performs 730 times better than aluminum and 191x better than steel. This technology will help prevent your window's sash from bowing over time.



## MORTISED SILL DAM WALL

Mortised, double-walled sill dam extends into the jamb for added structural integrity.



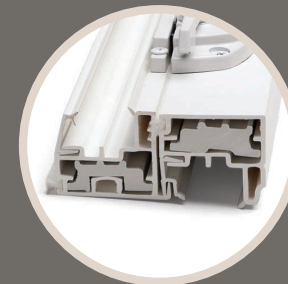
## SILL/SASH INTERLOCK

Interlocking sill/sash provides added structural strength against heavy wind loads. Magnetic freezer weatherstripping and Q-Lon bulb-seal compression provide improved air infiltration.



## LOW-PROFILE LOCK & KEEPER

Offers a sleek appearance with clean sight lines while still providing unparalleled home security.



## THERMACORE™ REINFORCEMENT

ThermaCore™ composite reinforcement in the meeting rails adds strength and reduces thermal conductivity. Overall, performing 730x better than aluminum and 191x better than steel.



# SLIDER

The perfect addition to any home, our Fortis Series slider window is engineered to operate smoothly and with ease. Their modern design and two-lite or three-lite options will complement the decor of any space.





# FEATURES & PERFORMANCE

## DURABILITY & DEPENDABILITY

Specially formulated PVC prevents scratching or denting and welded sash and frame offer long-lasting durability.

## MAXIMUM INSULATING CAPABILITIES

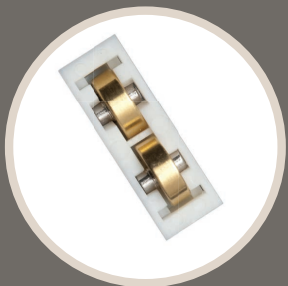
Three high-performance, Low-E glass options, triple weatherstripping, and our magnetic seal virtually eliminates drafts while our special VyFoam™, in frame and sash offers ENERGY STAR® rated insulation.

## SUPERIOR CURB APPEAL

European contoured cove with optional grid detail offers superior curbside appeal.



Available in two-lite and three-lite configurations



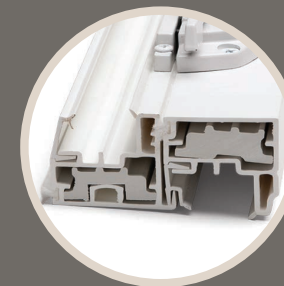
### TANDEM BRASS ROLLERS

Brass rollers allow for effortless sash operation.



### EXTERIOR MAINFRAME

Beautiful exterior mainframe adds curbside appeal to your home.



### INTERLOCKING SASHES

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



# CASEMENTS & AWNINGS

Easily invite fresh air into your home with Fortis Series casement and awning style windows. With a simple turn of the handle, casement windows open out at a 90-degree angle, while awning windows are hinged at the top and open out at the bottom.



# FEATURES & PERFORMANCE

## DURABILITY & DEPENDABILITY

Specially formulated PVC prevents scratching and denting and welded sash and frame offer long-lasting durability.

## CLEAN WITH EASE

Casement windows effortlessly crank open at a 90° angle, allowing for easy cleaning.

## SUPERIOR CURB APPEAL

European contoured cove with optional grid detail offers superior curbside appeal.

## MAXIMUM INSULATING CAPABILITIES

Three high-performance, Low-E glass options, triple bulb-seal weatherstripping, and our magnetic seal, virtually eliminate drafts while our special VyFoam™, in frame and sash, offers ENERGY STAR® rated insulation.

## EASY TO USE SCREENS

Pressure mounted screens eliminate unsightly clips and can be easily removed.



## MULTI-POINT LOCKING SYSTEM

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



## OPERATING HARDWARE

Casement windows have special operating hardware allowing them to open to a 90° angle.



## CASEMENT HANDLES

Streamlined and modern handles reduce interference with window coverings.



# BAYS, BOWS & GARDEN

Fortis Series bow, bay, and garden windows make an elegant addition to any room. Their unique shapes adds interest and beauty while also making the room look and feel larger. Enjoy the view with your new Fortis Series bay, bow or garden windows.



# FEATURES & PERFORMANCE

## DURABILITY & DEPENDABILITY

Specially formulated PVC prevents scratching or denting and welded sash and frame offer long-lasting durability.

## MAXIMUM INSULATING CAPABILITIES

Three high-performance, Low-E glass options, triple weatherstripping, and our magnetic seal virtually eliminate drafts while our special VyFoam™, in frame and sash, offers ENERGY STAR® rated insulation.



\*Available in other configurations



## MULLION CONSTRUCTION

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



## BIRCH OR OAK VENEER

Bay & bow window interiors feature rich, hand-selected wood veneers; ready for paint or stain.



## GARDEN WINDOWS

A bright addition to your kitchen, garden windows are the ideal space for flowers and plants.



# SIGNATURE SERIES PATIO DOOR

We offer elegant sliding patio door designs to complement your new windows and give your home a fresh, sophisticated style. Our sliding patio doors are engineered for exceptional durability and cost-saving energy efficiency.





# FEATURES & PERFORMANCE

## DURABILITY & DEPENDABILITY

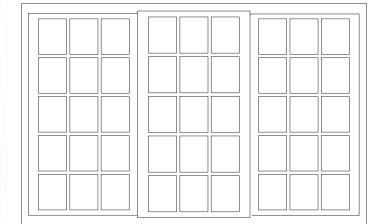
Specially formulated PVC prevents scratching or denting, full-height steel reinforced meeting rails provide extra strength and fusion welded sash and frame offer long-lasting durability.

## MAXIMUM INSULATING CAPABILITIES

Three high-performance, Low-E glass options, DuraTex™ warm edge spacer system and VyFoam™, in frame and sash, offer ENERGY STAR® rated insulation. Multi-chambered insulating frames and weather-stripped interlocks help prevent drafts, leaks, and noise from entering your home.

## ADDED SECURITY

Heavy-duty multi-point locking hardware keeps your home, and family, safer and more secure.



Available in two or three-panel designs to allow maximum natural light into your home.



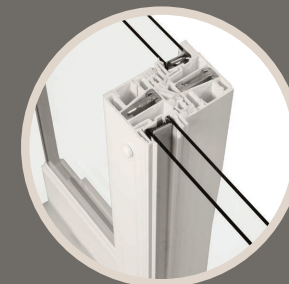
## BETWEEN THE GLASS BLINDS

Instantly increase the privacy and beauty of your doors with the easy-to-operate VyView™ blinds. Keeps your blinds free from dust and allergens



## CUSTOMIZED TO YOUR HOME

Available with designer handles and key locks with 7 finish options. Sixteen VyCoat™ exterior colors available. Optional security bar and kick lock.\*



## MAXIMUM AIR BARRIER

Quad weather-sealed meeting rails offer eight fin-type weather strips for maximum air barrier.

\*Color options and appearance of hardware is subject to change.



## FEATURES

At Vytex, we have over three decades of experience fine-tuning every inch of our windows. Manufactured from the highest-grade materials and tested to meet or exceed industry standards, the Fortis Series is a highly energy efficient window system. Years of innovation and experience have led us to create windows that offer exceptional insulation and air infiltration capabilities. Our designs are easy-to-use and highly functional with technology that prevents cracking, broken seals and products that are virtually maintenance-free. With Vytex, you can count on your window's performance and beauty for years to come.



# TECHNOLOGICALLY ADVANCED GLASS

High-performance, ENERGY STAR® certified windows incorporate double or triple insulating glass, one or more Low-E coatings, an advanced spacer system, and an inert gas between the panes of glass. Low-E is designed to help keep warm air inside during winter weather, and to reflect heat away from your home during summer months. This helps maintain a constant and comfortable temperature in your home and lowers your home energy costs.

## SPACER COMPARISON

Spacers play an integral role in window performance and can significantly boost the energy efficiency of your windows. Our Super Spacer® system outperforms all the rest, dependably delivering high performance for insulating glass units, including excellent resistance to ozone, weathering, water, and aging while maintaining its flexibility through wide changes in temperature and barometric pressure.

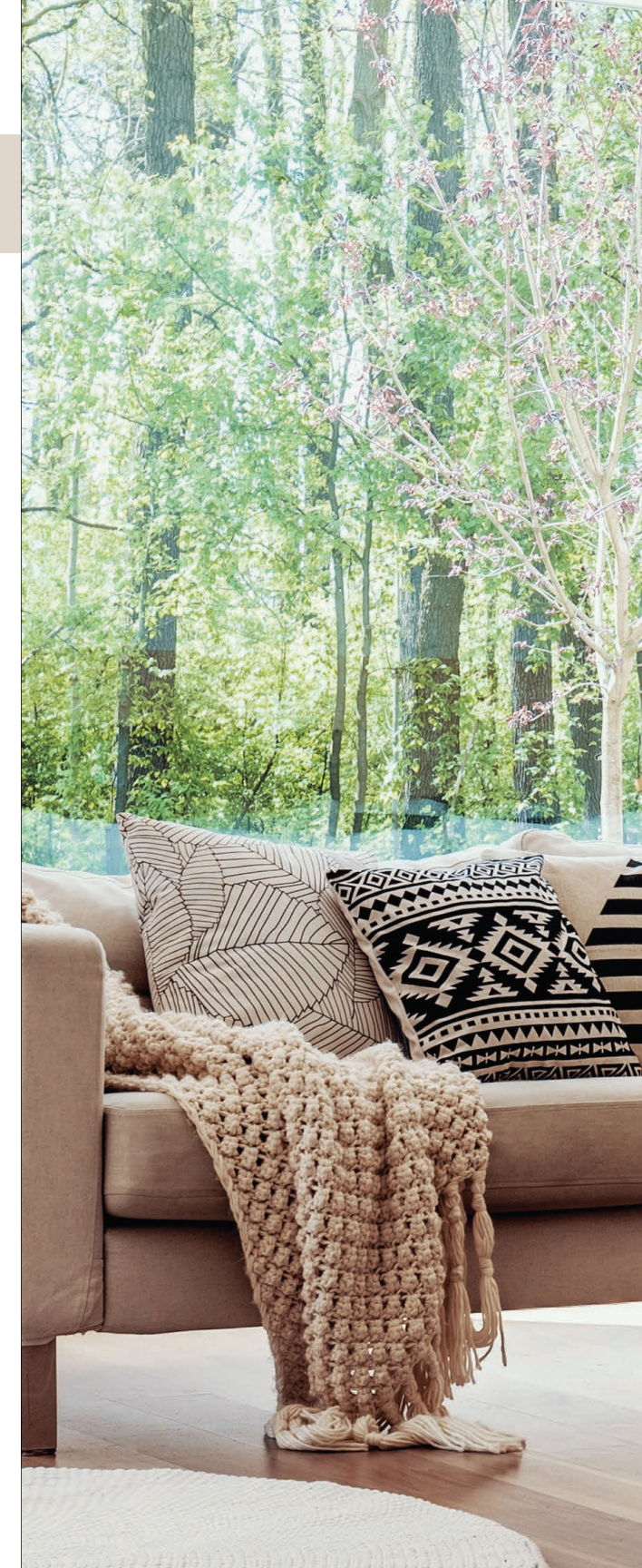
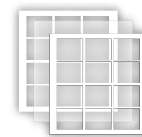


## VYGUARD™ LAMINATED GLASS

**SAFETY** – The PVB (polyvinyl butyral) interlayer absorbs the energy of a sudden impact and resists penetration, minimizing the risk of injuries and improving home security. Although the glass may break, glass fragments remain firmly bonded to the interlayer, and the glass cannot be fully penetrated.

**SOUND REDUCTION** – VyGuard™ absorbs sound and reduces sound transmission by as much as 30% over a typical insulated glass unit.

**ENVIRONMENTAL PROTECTION** – In the event of a severe storm, VyGuard™ helps protect your home from interior damage.





# GLASS OPTIONS


The Fortis Series offers three high-performance, energy-saving glass options so you can choose one that works best for your home and climate region. All of our ENERGY STAR® certified glass systems regulate your home's temperature to help keep you cool when it's hot and warm when it's not.


## ENERGY SAVER PLUS™

- Double-paned with one pane of high-performance Low-E glass
- Argon gas-filled insulated glass unit
- VyFoam™ insulated frame and sash
- Super Spacer® Warm Edge Spacer System

## TripleSilverLoE™

- Double-paned with one pane of high-performance TripleSilverLoE™ glass
- Argon gas-filled insulated glass unit
- VyFoam™ insulated frame and sash
- Super Spacer® Warm Edge Spacer System

 National Fenestration Rating Council <b>CERTIFIED</b>	<b>VYTEX CORPORATION</b> VINYL FRAME (S200-DH) DUAL GLAZE • ARGON • LOWE VERTICAL SLIDER WINDOW VYW-A-50-00145-00001	
	<b>ENERGY PERFORMANCE RATING</b> U-Factor (U.S./I-P)      Solar Heat Gain Coefficient <b>0.27</b> <b>0.28</b>	
<b>ADDITIONAL PERFORMANCE RATINGS</b> Visible Transmittance      Air Leakage (U.S./I-P) <b>0.52</b> <b>≤0.3</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.</small>		

 National Fenestration Rating Council <b>CERTIFIED</b>	<b>VYTEX CORPORATION</b> VINYL FRAME (S200-DH) DUAL GLAZE • ARGON • LOWE TRIPLE SILVER VERTICAL SLIDER WINDOW VYW-A-50-00102-00001	
	<b>ENERGY PERFORMANCE RATING</b> U-Factor (U.S./I-P)      Solar Heat Gain Coefficient <b>0.27</b> <b>0.20</b>	
<b>ADDITIONAL PERFORMANCE RATINGS</b> Visible Transmittance      Air Leakage (U.S./I-P) <b>0.48</b> <b>≤0.3</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.</small>		

\*All values shown above are for Fortis double-hung windows without grids. \*\*Energy Saver Max™ is offered with limited availability.

# EXCEPTIONAL INSULATION & DURABILITY

Backed by years of innovation and experience, the Fortis Series offers exceptional insulating capabilities with the promise of long-lasting durability. We've carefully designed every detail of the window to meet or exceed industry standards and to offer the highest quality performance possible. You can purchase our windows with peace of mind knowing they'll last.

## 1. DOUBLE-WALLED SILL DAM

Tight-mortised cut, double-walled, sill-dam extends inside the jamb, eliminating the need to caulk an open seam.



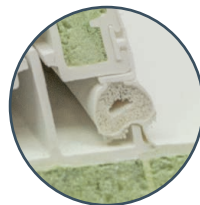
## 2. BOTTOM SASH INTERLOCK

Our innovative bottom sash interlock ensures a tighter seal helping to reduce drafts and decrease your energy bills. Provides structural strength during heavy wind loads by locking the sash in place.



## 3. Q-LON COMPRESSION GASKET

Our Q-lon, memory foam, compression bulb-seal gasket is the most energy-efficient weatherstripping currently used in the industry today. It adds barriers and diversions to help prevent water infiltration and drafts.



## 4. 5 DEGREE SLOPE SILL











Our carefully designed slope sill is the optimal angle for water runoff and to prevent air infiltration.

## 5. R5 VYFOAM™ IN FRAME & SASH

Our R5 foam-filled frame and sash insulation increase thermal efficiency, increases structural integrity, dampens sound, and reduces air infiltration.



# AIR INFILTRATION COMPARISON

	INDUSTRY STANDARD	TRADITIONAL WOOD RESIDENTIAL DOUBLE HUNG WINDOWS	TRADITIONAL VINYL RESIDENTIAL HIGH-PERFORMANCE, DOUBLE HUNG	FORTIS™
1 CFM OF AIR LEAKAGE PER MINUTE	.30 CFM OF AIR LEAKAGE PER MINUTE	.23 CFM OF AIR LEAKAGE PER MINUTE	.15 CFM OF AIR LEAKAGE PER MINUTE	.04 CFM OF AIR LEAKAGE PER MINUTE
 7.5 GALLONS OF AIR PER MINUTE	 2.25 GALLONS OF AIR PER MINUTE	 1.725 GALLONS OF AIR PER MINUTE	 1.125 GALLONS OF AIR PER MINUTE	 .30 GALLONS OF AIR PER MINUTE
 80 COFFEE CUPS OF AIR PER MINUTE (960 OZ/MIN)	 24 COFFEE CUPS OF AIR PER MINUTE (288 OZ/MIN)	 18.4 COFFEE CUPS OF AIR PER MINUTE (220.8 OZ/MIN)	 12 COFFEE CUPS OF AIR PER MINUTE (144 OZ/MIN)	 3.2 COFFEE CUPS OF AIR PER MINUTE (38.4 OZ/MIN)

\*References valid as of October 1, 2010 based on our competitors' websites and independent testing. \*\*Industry Standard: The window & door industry adheres to standards set by FGIA® (Fenestration & Glazing Industry Alliance®). Per FGIA, the industry standard for Maximum Allowable Air Infiltration is 0.30 CFM (Cubic feet per minute) during a 25 mph wind. This is the equivalent of 2.25 gallons or 24 coffee cups of air escaping through the window every minute.



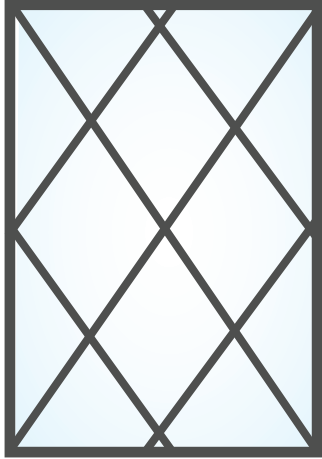
# DESIGN OPTIONS

Our Fortis Series windows are customized to your home. We offer multiple glass options, grid and contour details as well as color and finishing options that suit any style of home. Create long-lasting curb appeal and timeless beauty with these high-performance, modern windows.

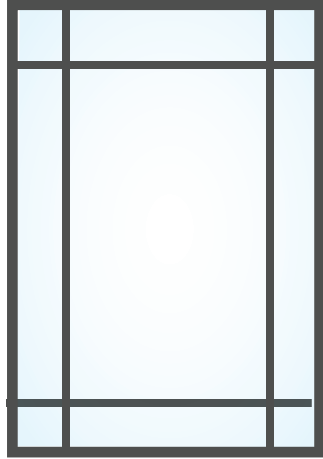




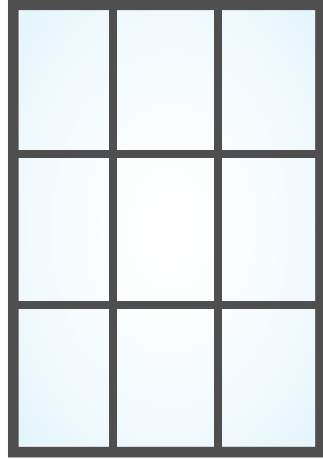
# GRID DESIGNS



DIAMOND



PRAIRIE



COLONIAL

Additional patterns available upon request

---

## TIMELESS BEAUTY

---



FLAT



CONTOUR



# EXTERIOR COLOR OPTIONS

CASHMERE

IVORY

WICKER

SANDALWOOD

CLAY

SANDSTONE

AMERICAN BROWN

UNIVERSAL BROWN

WEDGEWOOD BLUE

OLD WORLD BLUE

FOREST GREEN

SABLE

BRONZE

TRUE BLACK

CRANBERRY

BURGUNDY

## ELEGANCE THAT LASTS A LIFETIME

### VYCOAT™ EXTERIOR COATING SYSTEM

The innovative technology of our VYCOAT™ exterior coating system offers durability and elegance. This long-lasting, environmentally-friendly finish is low-maintenance, easy to clean, and will add enviable curb appeal to any home.

### INTERIOR COLOR OPTIONS



WHITE



BEIGE

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

\*Colors are as true as printing inks allow and may differ from actual product colors.



# HARDWARE OPTIONS

The sleek and modern look of our Fortis Series locking hardware is designed to be durable, ergonomic, and easy-to-use. Choose a finish that will compliment your interior style; from white to oil rubbed bronze, we guarantee a rich and timeless appearance.



## FINISHES

WHITE

BEIGE

OIL-RUBBED BRONZE

BRUSHED CHROME

\*Casements hardware is only available in white, oil rubbed bronze, beige, and brown.

\*\*Color options and appearance of hardware is subject to change.



A modern living room with large windows, a chandelier, and a sofa. The room features a large window on the left side, a chandelier with two circular rings of lights, and a dark blue sofa with a tufted back. There are also two light-colored armchairs and a coffee table in the center. The walls are white, and there are wooden shelves on the right side with various decorative items.

# OUR PROMISE

At Vytex, we guarantee your windows for life.\* Our promise to you is that in the course of normal use, our products will be free from defects in material and workmanship for as long as you reside in your home. Additionally, our **Fortis Series** windows come with a lifetime glass breakage warranty. You can rest easy knowing Vytex windows and doors will maintain their function and beauty for years to come.

\*Covers materials only. Labor and delivery are not included.



# Vytex



Two-time Crystal Achievement Award winner  
A Window & Door Top 100 Manufacturer  
An Energy Star® Most Efficient Product

CORPORATE OFFICE/MANUFACTURING  
9425 Washington Boulevard N, Laurel, Maryland 20723  
☎ 301.362.1000 • ☎ 877.747.8735

[www.vytexwindows.com](http://www.vytexwindows.com)

