



Vytex

FORTIS SERIES®

A High-End Window Series
Exclusively From Vytex



A NAME YOU CAN TRUST

In 1988, Andy Weinrub founded Vytex Windows with a vision to build superior windows using the highest-quality materials and manufacturing standards. More than three decades later, Vytex has grown into one of the largest privately owned window manufacturers in the country, continuing its tradition of innovation and excellence.

Today, Vytex operates from a state-of-the-art, 200,000+ square-foot manufacturing facility in the Baltimore-Washington region. Our team uses advanced technology and industry-leading equipment to produce windows and doors that are built to last for decades in your home. Unlike many manufacturers, Vytex insulates all glass in an on-site clean room, ensuring clarity and quality that far exceed industry standards.

Recognized among the top 100 window manufacturers in the nation, Vytex is a multi-year recipient of the Crystal Achievement Award—one of the most respected honors in the industry. We are proud members of the Fenestration & Glazing Industry Alliance, maintain an A+ rating with the Better Business Bureau, and partner with ENERGY STAR® to deliver some of the most energy-efficient windows available today.

When you choose Vytex, you can be confident you're getting the best—products designed with precision, built for performance, and trusted for generations.

QUALITY THAT LASTS

When 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.

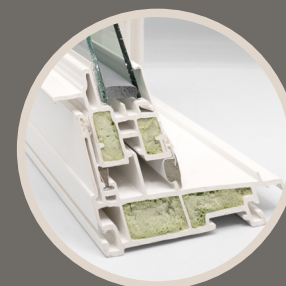
ADDED STRENGTH & SECURITY

Our ThermaCore™ composite reinforcement provides added strength and security and performs 730x better than aluminum and 191x better than steel. This advanced technology helps prevent sash bowing over time and contributes to the window's impressive **DP 45 structural rating**—delivering lasting performance and peace of mind.



MORTISED SILL DAM WALL

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



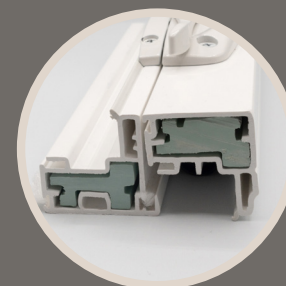
SILL/SASH INTERLOCK

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 at the meeting rails adds exceptional strength and energy efficiency—730x better than aluminum and 191x better than steel for reduced thermal conductivity and lasting performance.

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

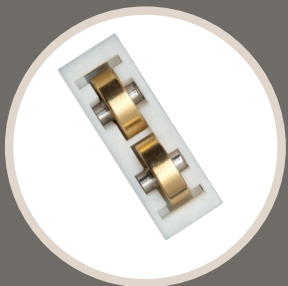
Three high-performance, Low-E glass options, triple weatherstripping, and our magnetic seal virtually eliminates drafts while our special VyFoam™, in frame and sash offers ENERGY STAR® rated insulation.

SUPERIOR CURB APPEAL

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



Available in two-lite and three-lite configurations



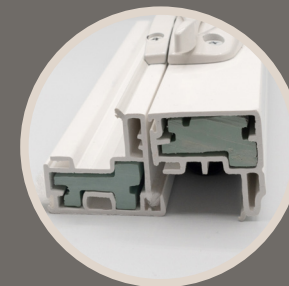
TANDEM BRASS ROLLERS

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.

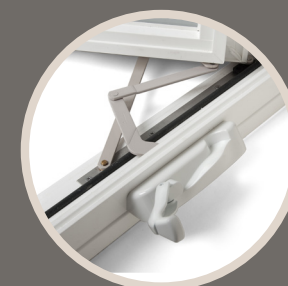
EASY TO USE SCREENS

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

Fortis Series bay and bow 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

DUAL MULLION SYSTEM

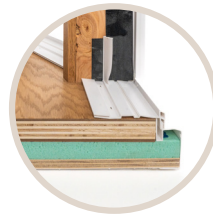
Featuring insulated solid mullions and steel threaded rod mullions for unmatched strength and performance. This design resists warping, sagging, and pulling apart over time. The insulated mullions are 58% lighter, offer higher R-Values, and resist moisture better than traditional mullions, all while maintaining structural integrity.

INSULATED SEAT BOARD

An insulated seat board is essential for lowering energy costs, preventing cold air transfer, and protecting against condensation and finish failures. All bay and bow windows come standard with a seamlessly integrated 1-1/2" insulated panel attached to the hardwood seat, creating a 2-3/4" sill with an R7 insulating value.

MAXIMUM INSULATING CAPABILITIES

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



PREMIUM HARDWOOD CONSTRUCTION

Head, seat and jambs feature furniture-grade 1-1/4" hardwood veneer plywood in Red Oak or Birch with painting and staining options available.



CUSTOM DESIGN OPTIONS

Three interior stain options, 18 exterior paint options, Solid surface seat boards, LED lighting systems, roof options and more.



PREMIUM EDGE BANDING

Premium edge banding covers the unfinished plywood edges, allowing for a clean, professional installation with a reveal for interior casing.

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

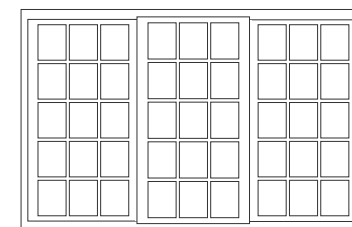
Specially formulated PVC prevents scratching or denting, full-height steel reinforced meeting rails provide extra strength and fusion welded sash and frame offer long-lasting durability.

MAXIMUM INSULATING CAPABILITIES

Three high-performance, Low-E glass options, Super Spacer® warm edge spacer system and our specially formulated 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.



Two or three-panel designs.

INTERIOR COLORS



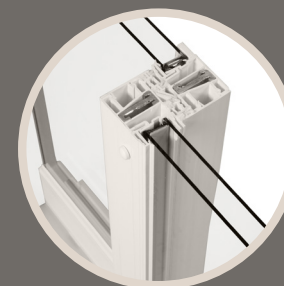
BLINDS + GLASS

Elevate the beauty and privacy of your doors with easy-to-use built-in blinds. Safer for children, great for pet owners, and always free from dust and allergens.



CUSTOMIZED TO YOUR HOME

Available with designer handles and key locks in five finishes, sixteen VyCoat™ exterior colors, and an optional security bar and kick lock.



MAXIMUM AIR BARRIER

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

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.

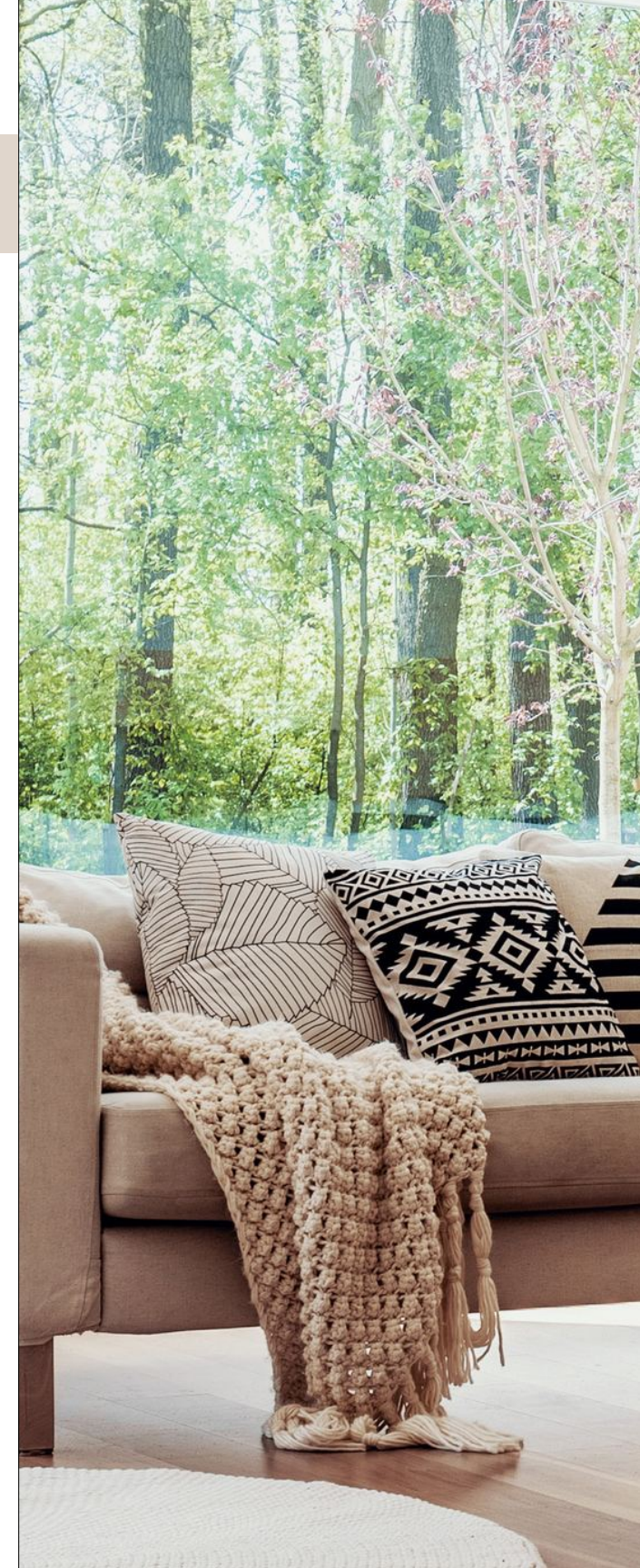
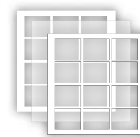


VYGUARD™ LAMINATED GLASS

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 four 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

 VYTEX CORPORATION VINYL FRAME (5200-DH) DUAL GLAZE • ARGON • LOWE VERTICAL SLIDER WINDOW VYW-A-50-00312-00001	
ENERGY PERFORMANCE RATING	
U-Factor (U.S./I-P)	Solar Heat Gain Coefficient
0.27	0.27
ADDITIONAL PERFORMANCE RATINGS	
Visible Transmittance	Air Leakage (U.S./I-P)
0.52	≤0.3
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 use. 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.	

ENERGY SAVER R5™

Double-paned with one pane of high-performance Low-E glass and one pane of high-performance 4th surface Low-E glass
Argon gas-filled insulated glass unit
VyFoam™ insulated frame and sash
Super Spacer® Warm Edge Spacer System

 VYTEX CORPORATION VINYL FRAME (5200-DH) DUAL GLAZE • ARGON • R5 DUAL LOWE VERTICAL SLIDER WINDOW VYW-A-50-00313-00001	
ENERGY PERFORMANCE RATING	
U-Factor (U.S./I-P)	Solar Heat Gain Coefficient
0.23	0.27
ADDITIONAL PERFORMANCE RATINGS	
Visible Transmittance	Air Leakage (U.S./I-P)
0.51	≤0.3
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 use. 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.	

ENERGY STAR® 7.0
North-Central Region

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

 VYTEX CORPORATION VINYL FRAME (5200-DH) DUAL GLAZE • ARGON • LOWE TRIPLE SILVER VERTICAL SLIDER WINDOW VYW-A-50-00310-00001	
ENERGY PERFORMANCE RATING	
U-Factor (U.S./I-P)	Solar Heat Gain Coefficient
0.26	0.20
ADDITIONAL PERFORMANCE RATINGS	
Visible Transmittance	Air Leakage (U.S./I-P)
0.48	≤0.3
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 use. 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.	

ENERGY STAR® 7.0
Southern & South-Central Regions

ENERGY SAVER R5 w/ TripleSilverLoE™

Double-paned with one pane of high-performance TripleSilverLoE glass and one pane of high-performance 4th surface Low-E glass
Argon gas-filled insulated glass unit
VyFoam™ insulated frame and sash, and window foam wrap
Super Spacer® Warm Edge Spacer System

 VYTEX CORPORATION VINYL FRAME (5200-DH) DUAL GLAZE • ARGON • R5 DUAL LOWE TRIPLE SILVER VERTICAL SLIDER WINDOW VYW-A-50-00320-00001	
ENERGY PERFORMANCE RATING	
U-Factor (U.S./I-P)	Solar Heat Gain Coefficient
0.23	0.20
ADDITIONAL PERFORMANCE RATINGS	
Visible Transmittance	Air Leakage (U.S./I-P)
0.47	≤0.3
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 use. 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.	

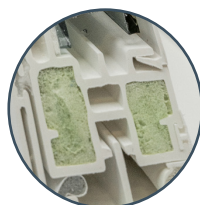
ENERGY STAR® 7.0
North-Central, Southern & South-Central Regions

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.



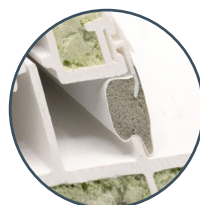
2. BOTTOM SASH INTERLOCK

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	.02 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	 .15 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)	 1.6 COFFEE CUPS OF AIR PER MINUTE (19.2 OZ/MIN)

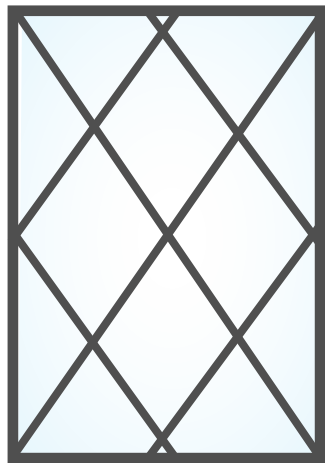
*References valid as of October 1, 2010 based on our competitors' websites and independent testing. **Industry Standard: The window & door industry adheres to standards set by FGIA® (Fenestration & Glazing Industry Alliance®). Per FGIA, the industry standard for Maximum Allowable Air Infiltration is 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.

A child's room featuring a large, multi-paned window with a white frame. The window looks out onto a lush green landscape with trees. In front of the window is a light-colored wooden bench with a decorative backrest. On the bench are several stuffed animals, including a grey elephant, a pink unicorn, and a brown dog. To the left of the window, there are two wooden shelves. The top shelf holds a small potted plant, a framed picture, and a small basket. The bottom shelf holds a small potted plant, a rainbow-shaped decoration, and a small giraffe figurine. A string of dried flowers hangs from the wall to the left of the window. The room is brightly lit by natural light from the window.

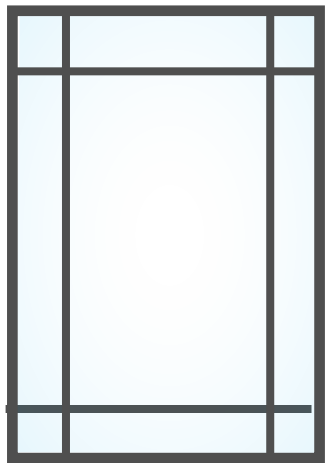
DESIGN OPTIONS

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.

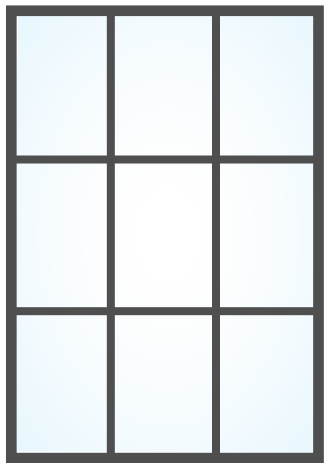
GRID DESIGNS



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

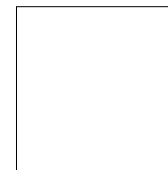
BURGUNDY

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 are subject to change.



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. 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.



Authorized Vytex dealer — configure and price these windows online, no phone call required

iowindows.com

Instant pricing • custom sizes • delivery or free factory pickup • installation optional

Vytex



*Information in this brochure is subject to change. Client should rely solely on agreements for all terms and specifications