

Sheffield[®]

Ultra-Premium, Custom-Made Windows



*The ultimate choice for maximum
beauty, strength and energy savings.*

Alside[®]

The Beauty You See Is Just Part of the Sheffield Story



In every detail,



*Enjoy greater comfort
and lower energy bills.*

No matter where you live, it costs money to stay comfortable. In the summer, you pay to keep heat out of your home; in the winter, you pay to keep it in. That's when ordinary windows become a costly problem. They do little to stop the gain – or loss – of heat. That's why Sheffield Fusion-Welded Vinyl Windows are such a great investment. They incorporate more than a dozen advanced design features that effectively block the flow of heat, saving you money and keeping you comfortable, season after season.

*Sheffield's outstanding
performance starts with
innovatively engineered
components that provide
the basis for superior
energy savings.*

The multi-chamber design of the Sheffield Window helps trap dead air to produce an effective insulating barrier, while fusion-welded frame and sashes provide superior structural strength and create a permanent barrier against air and moisture infiltration.



A special multi-layer weather-stripping and a superior sash interlock system offer additional barriers to air infiltration, adding up to greater energy savings – and lower utility bills.

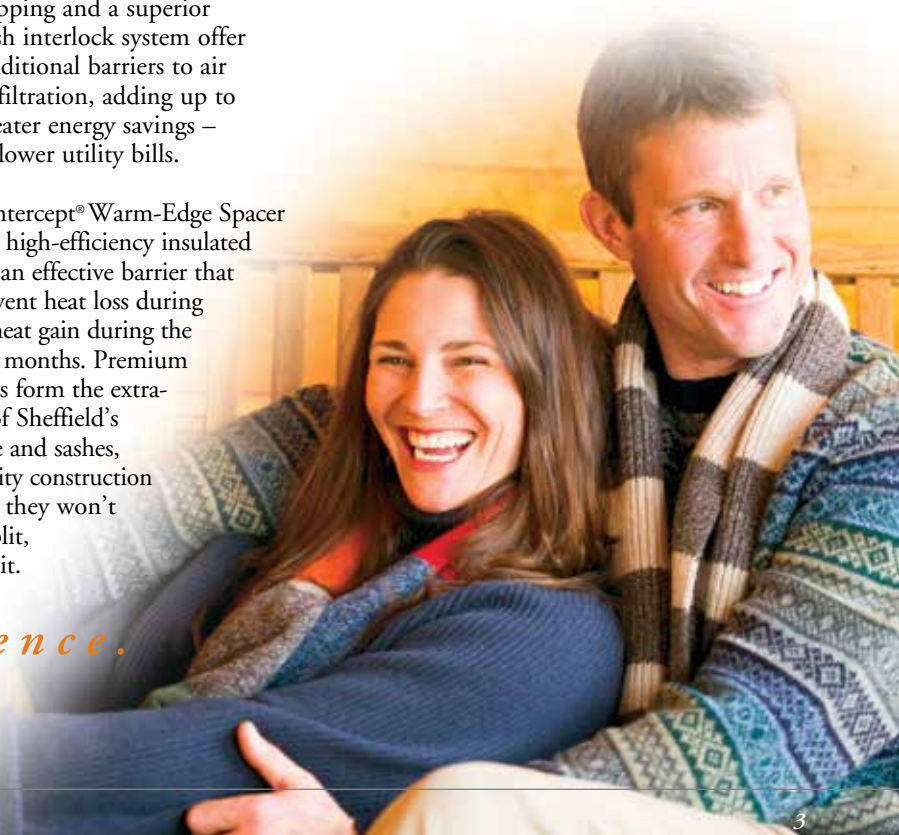
Sheffield's Intercept® Warm-Edge Spacer System with high-efficiency insulated glass creates an effective barrier that helps to prevent heat loss during winter and heat gain during the hot summer months. Premium raw materials form the extra-thick walls of Sheffield's sturdy frame and sashes, and the quality construction ensures that they won't rot, swell, split, corrode or pit.

They're tough, durable and other than an occasional washing, require minimal maintenance.

To ensure easy opening and closing of the Sheffield Window, the constant force balance system and heavy-duty operating hardware will continue to operate perfectly, even after decades of regular use. A sloped sill helps prevent water and air infiltration while maintaining the timeless detailed appearance characteristic of double-hung windows. Beveled mainframe on double-hung, sliding and casement windows provide a finished appearance complementing every home's style.

Experience you can trust.

When you buy Sheffield Windows, you know you're getting more than just a frame, sashes and glass. You're getting the knowledge and technical skill of Alside's Product Development Group – experts with a proven track record designing, building and testing superior, energy-efficient windows. These specialists know that to build the best windows, you have to start with the best materials and components. Their experience is your assurance of total satisfaction.



a commitment to excellence.

A Blend of Modern Efficiencies



Definity™ Vinyl Technology

The heart of the Sheffield platform is Definity vinyl. This advanced vinyl compound is rugged, durable and virtually maintenance-free. The material's low thermal conductivity makes it the perfect choice for window manufacturing.

EliteWeld™ Fusion Welding

Every corner of the Sheffield Window features EliteWeld fusion welding, a technologically-advanced method of construction that delivers superior strength. The EliteWeld method



produces full-contact welding points and does not require below-the-face flash clean up.

Intercept Spacer System

The Intercept Spacer System features a unique, one-piece U-channel design that creates an effective thermal barrier to help reduce conducted heat loss through the window. Its sealed, one-piece design makes Intercept spacers stronger and better at retaining insulating gas than many conventional designs. Intercept spacers are so energy-efficient that they keep the edges of the window glass warmer, so your home feels more comfortable in the winter.

WeatherShed™ Sloped Sill

Our double-hung windows feature a WeatherShed sloped sill. This sill design incorporates the elegant look of a traditional sill and forces water to drain to the exterior. The result is a great-looking window that is able to withstand harsh elements.

Sheffield Double-Hung, Sliding, and Casement Windows feature a mainframe design that helps the Sheffield Window accommodate various installation methods and architectural styles.

Constant Force Balance System

Our double-hung window units feature a stainless steel Constant Force balance system. This system ensures smooth and easy sash opening and closing, and has been rigorously tested for decades of operation. So rigorous in fact, that this balance system has been tested to nearly 6,000 cycles (one cycle is the equivalent of opening and closing the sash), far exceeding the industry standard of 4,000 cycles.

Triton™ Locking System

All Sheffield Double-Hung and Sliding Windows feature the Triton Locking System. Located at the meeting rails, this heavy-duty cam lock and keeper fit tightly together when



fully engaged for added security. The Triton Locking System also forces the interlock at the meeting rails of both sashes to close tightly which helps to prevent air infiltration. Double locks are standard on all windows 25" or wider.

SteelForce™ Reinforcement

The SteelForce steel reinforcement is installed in every Sheffield Double-Hung and Sliding Window. This heavy-duty steel extrusion is placed within the sashes at the meeting rails to ensure extra protection at this very critical and often used location.



CommandPlus™ Hardware

Our casement and awning windows feature CommandPlus operating hardware. This heavy-duty hardware provides maximum strength for lifelong ease of operation, along with a corrosion-proof finish that is guaranteed for life.



a commitment to excellence.

An Eco-Friendly Choice



Go Green

Exceptionally energy-smart and weathertight, Alside Windows not only reduce fuel consumption needed to heat and cool homes, they also boast a long service life and achieve optimal material use and minimal waste in production. Virtually all in-plant vinyl scrap is recycled into other useful products, further reducing the environmental impact of waste. Vinyl windows also are eco-friendly because vinyl resin is derived largely from common salt – a sustainable and abundant natural resource!¹

¹ Source: *A Clear View – Vinyl Windows and the Environment*. American Architectural Manufacturers Association (AAMA) & The Vinyl Institute (VI).

Ask Us About Tax Credits!

Take advantage of temporary tax credit incentives.



Ask your Alside Sales Representative for more information about energy tax credits* and visit www.energystar.gov or www.dsireusa.org for details. DSIRE is a comprehensive source of information on federal, state, local and utility incentives and policies that promote renewable energy and energy efficiency.



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Built for Exceptional Appearance and Performance

Using advanced design and superior materials, Sheffield Windows produce outstanding energy savings and trouble-free operation.



1. *Vinyl frame and sashes will never chip, peel, crack or warp.* Made with premium raw materials, the vinyl color is formulated throughout so the beautiful luster lasts.
2. *Multi-chambered sash and mainframe* create insulating air spaces for thermal efficiency.
3. *Quad 4 weatherstripping* at the header adds greater protection from the elements.
4. *Insulated glass unit* featuring double-strength glass with optimal air space improves year-round performance.
5. *Intercept Warm-Edge Spacer System* maximizes thermal efficiency and the life of the insulated glass unit.
6. *Interlock at sash meeting rails* creates a super-tight seal against air infiltration, providing security, comfort and well-being.
7. *Steel reinforcement* adds strength at the meeting rails.
8. *Drop-in glazing provides energy efficiency* as well as interior aesthetic appeal.
9. *Compression bulb seal* at the sill creates an all-season weather barrier sealing tightly against dust, dirt and air infiltration.
10. *Sloped sill* forces water to drain to the exterior of the window.
11. *Hidden screen track* for clean lines and added beauty.
12. *Fully extruded lift rails* provide strength and stability for easy operation.

Plus these additional advanced design features:

- Fusion-welded frame and sashes add strength and rigidity.
- Dual vent stops provide a limited opening of the window for ventilation.
- Full balance covers help protect against air infiltration while adding a finished look to the window frame.
- Constant force balance system eliminates sash cords, weights and pulleys, and provides easy fingertip operation.
- Tilt-in top and bottom sashes make cleaning safe and easy from inside the home.
- Triple-barrier weatherstripping between the sash and jamb for superior protection from air and water infiltration.
- Full or half fiberglass screens provide ventilation while keeping insects out.²

The Alside Lifetime Limited Warranty

Sheffield Windows are made by Alside, a recognized leader in product innovation, manufacturing excellence and uncompromising quality control.



That's a reputation you can count on, from the day your windows are installed until the day you sell your home. And to make your buying decision easier, Alside backs all Sheffield Windows with a Lifetime Limited Warranty[†]. . . one of the strongest in the industry.

²Full screens are standard on exterior color-finished windows.

ClimaTech® High-Performance Insulated Glass Packages

ClimaTech... your solution for increased window performance.

Our optional ClimaTech insulated glass package combines multi-layered low-emissivity (Low-E) glass, argon gas** and the Intercept Warm-Edge Spacer System. ClimaTech is up to 40% more energy-efficient than single or clear insulated glass systems.

Sheffield Windows with ClimaTech exceed the performance requirements set forth by the U.S. Department of Energy in conjunction with the National Fenestration Rating Council (NFRC) test criteria.

One of the most critical NFRC tests measures the rate of heat loss through a window or door (U-Factor). The lower the U-Factor, the better the product is at resisting heat flow, which results in a product with a greater insulating value.

Sheffield Double-Hung Glass Performance Comparison³

	U-Factor	SHGC
Clear Glass	0.44	0.54
ClimaTech	0.29	0.28
ClimaTech ThermD	0.28	0.28
ClimaTech Elite	0.29	0.19
ClimaTech TG2	0.23	0.24
ClimaTech TG2 ThermD Elite	0.22	0.18

³Whole window values.

Another critical NFRC test is for Solar Heat Gain Coefficient (SHGC). This procedure measures how well a product blocks heat caused by sunlight. Again, the lower the number, the less solar heat the window transmits into the home. The above chart clearly shows how the performance of Sheffield Windows can be enhanced with the addition of various ClimaTech insulated glass packages.



Low-E glass filters long-wave radiation from the sun. This reduces solar heat gain from the summer sun, helping to keep your home cooler.



Low-E glass takes on a new duty in winter months. It lets warm solar rays into your home, while preventing indoor heat from escaping.



Performance Options

Make your home an energy miser. It's easy!

For maximum energy savings, upgrade your Sheffield Windows with a ClimaTech insulating glass package, featuring Low-E glass, argon gas and the Intercept Warm-Edge Spacer System. The superior thermal performance of this insulating glass unit can help lower your energy costs while further reducing the consumption of fossil fuels. Many ClimaTech insulating glass packages meet the latest ENERGY STAR® requirements.

What makes the ClimaTech insulated glass package so effective?

Since 80% of a window is glass, substantial heating and cooling savings come from improved glass performance.

- Our combination of UV-filtering Low-E glass, argon gas and the Intercept Warm-Edge Spacer System dramatically enhances energy efficiency. Together they can cut the damaging effects of the sun, which can lead to the fading of carpets, curtains and furniture, by an additional 72% over clear insulated glass units.
- In winter, a warmer glass temperature is maintained, increasing the R-Value by up to an additional 104%.
- In summer, up to a 49% reduction in solar heat gain helps reduce air-conditioning usage.



Alside offers a variety of ENERGY STAR qualified products. Consult your window professional for the optimal glass package required for your home and climate zone.

Double-Hung Windows



It's the most popular window choice in American architecture – the stately, ascending lines of double-hung windows will add beauty and distinction to any home.



Multi-chambered frame and sash (left). Heavy-duty cam action locking system (center). Recessed tilt latches (right).

- Fusion-welded sash and mainframe structure for added strength and rigidity.
- Interlock at sash meeting rails creates a super-tight seal against air infiltration, providing security, comfort and well being.
- Sloped sill forces water to drain to the exterior of the window.
- Drop-in glazing provides energy efficiency as well as interior aesthetic appeal.
- Triple-barrier weatherstripping for superior protection from air and water infiltration.
- Constant force balance system eliminates sash cords, weights and pulleys and provides easy fingertip operation.
- Hidden screen track for clean lines and added beauty.

Sliding Windows

With ordinary windows, more is usually a problem – more window area means more heat loss, and that means higher heating and cooling bills. But with energy-efficient Sheffield Sliding Windows, it's easy to open your rooms to added beauty.

- Fusion-welded sash and mainframe structure for increased strength and rigidity.
- Tough, extra-thick extrusion walls provide the ultimate in welding strength.
- Hidden screen track produces clean lines and added beauty.
- Double-barrier weatherstripping for superior protection from air and water infiltration.
- Nylon-encased dual brass roller system.
- Theft deterrent locks.

Each sliding window operating sash features two sets of solid-brass tandem rollers to ensure smooth, effortless window operation (upper right).



Sash vent stops allow fresh airflow (lower right).



Casement Windows



Casement windows are both beautiful and versatile, making them easy to use in any room and with any architectural style.



- Beveled exterior sash design creates the appearance of a larger glass area with an attractive slimline look.
- Step-down frame with compression-type inner bulb seal provides a tight seal during inclement weather.
- State-of-the-art hinge system offers multi-directional ventilation and allows sash cleaning from inside the home.
- Positive crank mechanism allows easy operation when opening and closing the sash.
- Metal reinforcement helps to secure the operating hinge system.
- Multi-point locking system ensures a tight fit and added security.
- Multiple lite configurations available in a single mainframe.



A low-profile, single-lever locking handle adds to the ease of operation (left). Sturdy stainless steel hinge system for years of trouble-free opening and closing (center). Functional and stylish, this sleek fold-away crank handle won't get caught up in blinds or curtains (right).

Awning Windows

Create an elegant interior and exterior design for your home with easy-to-operate awning windows.

- Beveled exterior sash design gives the window the appearance of a larger glass area with an attractive slimline look.
- Heavy-duty, state-of-the-art hinge system provides easy operation from inside the home.
- Metal reinforcement helps to secure the operating hinge system.
- Dual-point locking system seals the window tightly.
- Multiple lite configurations available in a single mainframe.
- Combine awning and fixed-lite windows to add striking beauty and increased visibility.



Dual locking system on each side of the window.



Sturdy stainless steel hinge system for years of trouble-free opening and closing.



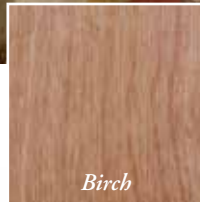
Bay and Bow Windows

Bay and bow windows let you change the basic architectural look of your home – inside and out. They open up rooms, making them seem larger and brighter.

- 1 1/4" furniture-grade veneer is standard in the construction of head, seatboard and jambs.
- Head and seatboard is available in oak or birch veneer finishes and are ready for painting or staining.^{††}
- 3" pre-insulated seatboard option means a more comfortable home and helps increase energy savings.
- Slimline reinforced mullion design provides superior strength and support for the selected components.
- Bay and bow windows are available in white or beige with optional rich maple, light oak, dark oak, foxwood or cherry woodgrain interior finishes.
- Exterior roof system available with optional copper or painted aluminum roof clad kits.



Oak



Birch

Choose from an oak or birch furniture-grade veneer to complement your window selection (left).



Garden Windows



Now you can have fresh flowers or herbs in your home throughout the year, right in the room where they'll bring you the most pleasure.

- Fully welded mainframe for strength and stability.
- Top sloped insulating glass panel is tempered for improved safety and unit integrity.
- Equal sightlines between picture units and operating sashes.
- Twin-sealing, fully screened, operating casements improves weather protection.
- Multi-point locking system for a tighter seal and added security.
- Clear 1" insulated glass unit provides all-weather protection.

Garden windows feature easy-to-reach operating and locking hardware.



Sliding Patio Doors



Sliding Patio Door Collection

– Contemporary, Classic, French –

- Mainframe and sash feature a double-wall design and multi-chambered construction for added strength.
- Dual internal/external weatherstripping on the sash ensures optimal energy efficiency.
- Precision-engineered tandem roller system ensures easy and quiet door operation.
- Heavy-duty extruded aluminum screen features four adjustable rollers for smooth gliding.
- Available in 2-, 3-, and 4-panel configurations.
- Choose from a variety of solid colors, woodgrain options, hardware finishes, and grid patterns to complement your Sheffield Windows.



FRAMEWORKS® Color Collection

Colors and Finishes

Sheffield Windows are available in a wide array of beautiful colors and natural-looking wood finishes to lend style and refinement to your home – both inside and out.

Interior Choices

With subtle sophistication, FrameWorks interior finishes convey a warm and welcoming ambiance while beautifully reflecting your personal taste. Interior selections include White and Beige, as well as laminate woodgrains in White, Rich Maple, Light Oak, Dark Oak, Foxwood and Cherry.



White[¥]

Beige[¥]

White Woodgrain^{¥¥}

Rich Maple

Light Oak

Exterior Choices

Whether you prefer windows that command attention or beautifully blend in, FrameWorks exterior colors let you customize the appearance of your home with refined style. Exterior choices include White and Beige, as well as special finishes in Black, Architectural Bronze, American Terra, Hudson Khaki, Desert Clay, Sand Dune, English Red, Forest Green, Silver and Castle Gray.



Dark Oak

Foxwood

Cherry



White[¥]

Beige[¥]

Black

Architectural
Bronze

American
Terra

Hudson
Khaki



Desert
Clay

Sand
Dune

English
Red

Forest
Green

Silver

Castle
Gray

[¥] Extruded solid color.

^{¥¥} White woodgrain is available with a beige base only.

FRAMEWORKS®

BEAUTIFUL WINDOWS. INSIDE AND OUT.

Ultra-premium exterior colors are achieved with a cutting-edge polyurethane coating technology incorporating heat-reflective pigments to ensure a remarkable strong, fade-resistant and highly weatherable finish that's easy to clean.

Your Assurance of Quality



The American Architectural Manufacturers Association is internationally recognized for the development of stringent performance standards. Every window and door that boasts AAMA certification undergoes extensive independent testing for resistance to water leakage, air pressure, and impact.



American Society for Testing and Materials

The American Society for Testing and Materials (ASTM) is a non-profit organization that provides a forum for the development and publication of voluntary consensus standards for materials, products, systems and services. ASTM standards serve as a basis for manufacturing, procurement and regulatory activities.



National Fenestration Rating Council

CERTIFIED

The National Fenestration Rating Council (NFRCC) establishes test criteria that set the standard for performance ratings of window and door products. These consistent ratings provide accurate information on the energy performance of windows, doors and skylights.

Decorative Options

Grid Options

Designer grids lend an added measure of style and dimension to your windows. All grids are enclosed within the insulated glass unit for easy cleaning. Choose from our selection of beautiful grid profiles and patterns to design the ideal window for your home:

Flat Grids – available in Colonial, Diamond, Craftsman, Prairie and Double Prairie patterns

Contoured Grids – available in Colonial, Prairie and Double Prairie patterns

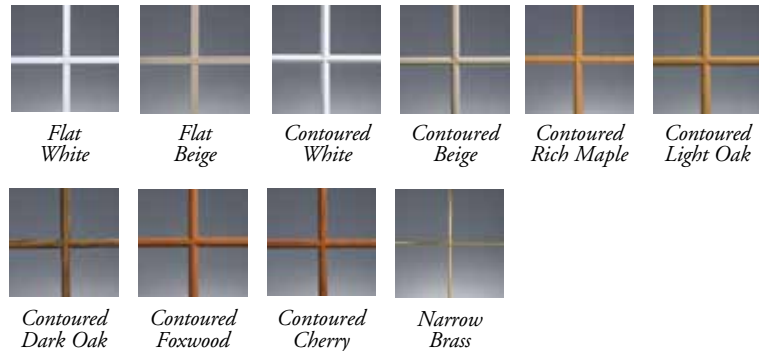
Narrow Brass Grids – available in a Colonial pattern

*Available in operating and fixed-lite casements.

Grid Patterns:

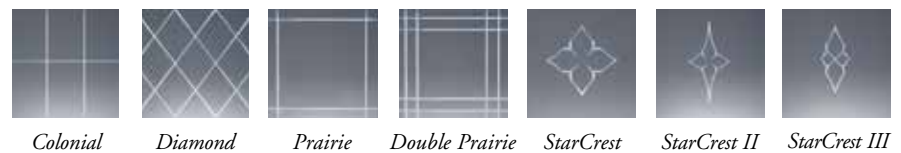


Grid Profiles:



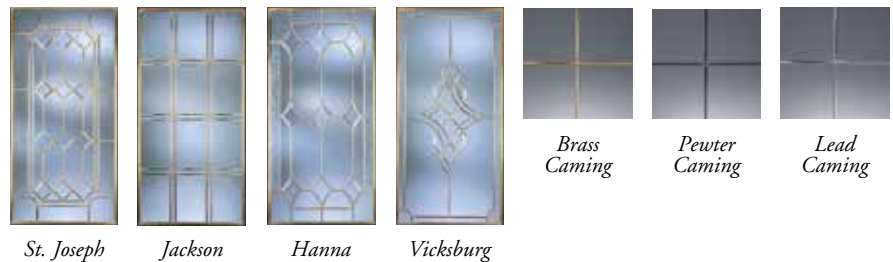
V-Grooved Cut Glass

Add a cut or polished V-grooved glass pattern to your window for the perfect touch of elegance.



Authentic Beveled-Leaded Glass

These options add personality and curb appeal to any home. All leaded glass is crafted using hand-cut glass, crystal bevel clusters, and hand-soldered camings. Available in four attractive glass styles to suit your architectural décor. Select a coming metal to match your taste – brass, pewter, or lead.



Aside partners with objective, third-party organizations that continuously test our products and verify that we meet the highest standards of performance, quality, value and safety.



The Insulating Glass Certification Council (IGCC) is a non-profit organization jointly established in 1977 by manufacturers, consumers, specifiers, and others concerned with the quality and performance of insulating glass units. IGCC sponsors and directs an independent, true third-party certification program. Periodic accelerated laboratory tests, per American Society for Testing and Materials (ASTM) specifications, and unannounced plant quality audits and inspections assure the quality and performance of sealed insulating glass products.



The advanced components and design used in Sheffield Windows exceed all criteria required by the ENERGY STAR program. The ENERGY STAR program is a joint venture between the U.S. Environmental Protection Agency (EPA) and the U.S. Department of Energy (U.S. DOE) designed to encourage homeowners to purchase energy-efficient products. Using less energy in our homes reduces the amount of CO₂ emissions released into the atmosphere from burning fossil fuels such as coal, oil and natural gas.

Sheffield®

*The Beauty You See . . .
Is Just Part of the Sheffield Story.*



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Please recycle



Mezzo[®]

AESTHETICS AND TECHNOLOGY...REDEFINED

Alside[®]



Welcome Home



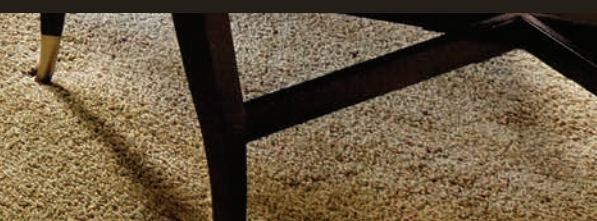
MEZZO WINDOWS . . . QUALITY AT ITS BEST.

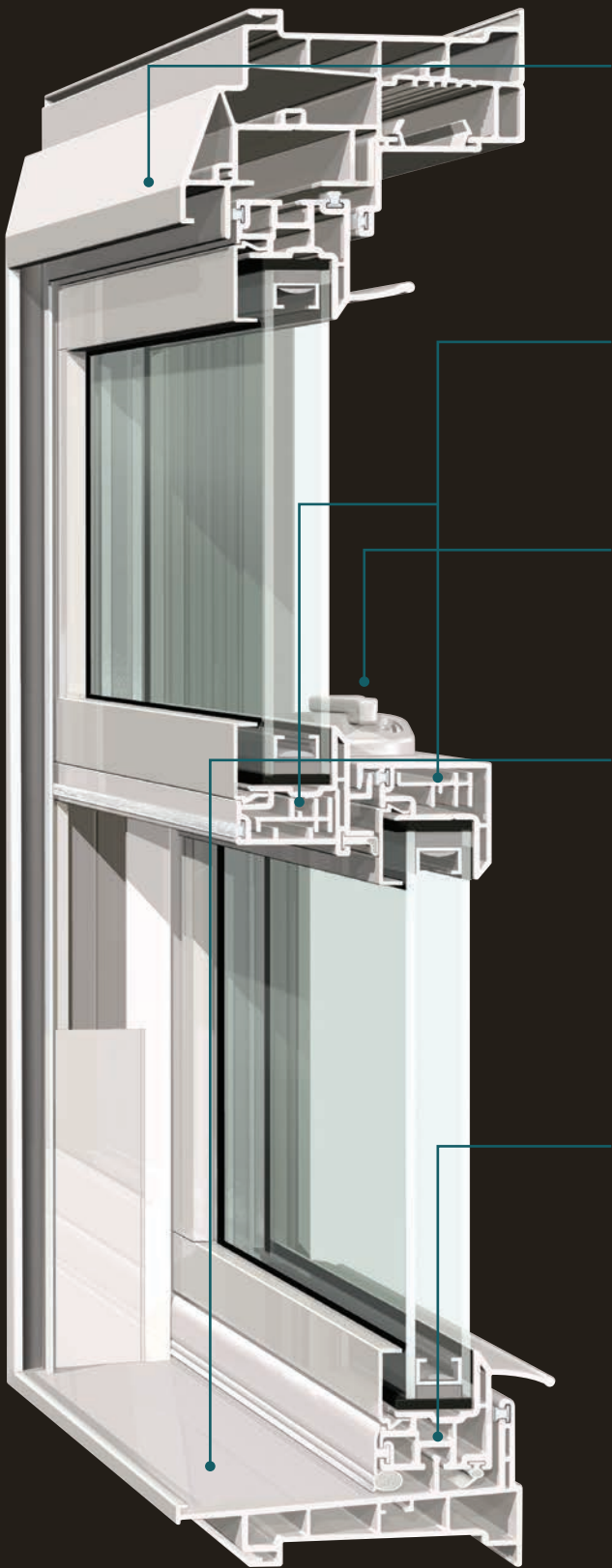
It's the ultimate collaboration. Elegant, sleek style mixed with take-charge strength and energy efficiency. The aesthetics are everything you want in a window and the performance power is cutting-edge. Mezzo Windows are made for you.

A LEGACY OF EXCELLENCE AND INNOVATION.

There is so much more to the windows in your home than the frame, sashes and glass. The true substance is the quality and expertise built into every step of the design and manufacturing process. In choosing Alside for your window installation, each window is custom-made to fit your window openings precisely. Our more than 70 years of industry excellence stands strong as our legacy of leadership and trust, where customer happiness always comes first.

We also take special pride in our exceptional "Made in America" quality. Our U.S. operations not only champion the tradition of American ingenuity and craftsmanship, they also fortify our nation with quality jobs and economic dollars. Together, we will continue to strengthen the prosperity of our country.





The beauty of our EdgeForce narrowline frame and sashes is subtle and substantial at the same time. The sleek design is visually clean and contemporary, with a larger glass area for exceptional daylighting and outside viewing. And beneath the elegance? Internal chambers are meticulously engineered for structural integrity and enhanced energy efficiency.



CoreFX is a structural component that never quits. This innovative composite reinforcement allows for secure mounting of hardware and the non-conductive material also reduces the transfer of energy for superior thermal performance.¹



Stylish and strong, this low-profile secure locking hardware features an indicator that tells you if your windows are left unlocked. But the true beauty of Defense-Tek is its end-of-throw cam shift locking action, expertly constructed for increased protection.



Forecaster elevates both the appearance and performance of Mezzo Windows with its smooth, uniform design. The true sloped sill is expertly crafted to provide a highly efficient drainage system that promotes water runoff without the use of weep holes.²



The benefits distinction here is three-fold: protection from air and water infiltration, increased structural stability and enhanced beauty. The integrated telescoping sill dam effortlessly blends strength with style.



When extreme wind and weather hit your home, Gatekeeper stands strong. Traditional sloped sill designs can allow the sash to bow during powerful winds, but with Gatekeeper interlocking sash-to-sill technology, the sash is channeled firmly into the window frame for a unified wall of strength. Combined with three layers of weatherstripping, Gatekeeper delivers unmatched protection, as well as peace of mind.



Improved form and functionality is the focus of our Ocular screen bulb seal. The compression bulb aids in the installation and removal of the extruded aluminum screen. The snug fit also eliminates light penetration between the screen and frame and helps block insect access.³

For enhanced appearance and ease of installation, two additional frame options also are available.⁴ Further optimize the energy efficiency of Mezzo Windows with a triple-pane insulated glass option.



1-3/8" Nail Fin Set Back



1-3/8" Nail Fin Set Back with J-Channel Adaptor



Triple-Pane

¹ Double-hung base model will automatically be upgraded to ST (steel reinforcement) for all units ordered in excess of 48" wide or 84" high.

² For larger size windows or to meet specific DP/PG ratings, optional weeps/performance package must be ordered.

³ Available only with the full screen option.

⁴ Not all nail fin options are available in all woodgrains. See your Alside Representative for more details.



Beauty Forged with Performance

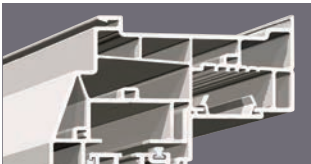
The closer you look, the more you'll see why Mezzo is a standout choice for your home.



FULLY FUSION-WELDED FRAME AND SASH CORNERS create superior strength and a clean, low-profile finished look.



DUAL-PANE, DOUBLE-STRENGTH GLASS increases strength, durability and insulation.



AIRTIGHT INSULATING CHAMBERS enhance thermal performance and durability.



DUAL BULB SEALS along the bottom of the lower sash optimize the appearance and creates a tighter seal between the lower sash and true sloped sill when the window is closed and locked.
(Double-hung and single-hung only.)



DUAL VENT STOPS for limited and convenient opening of the window for ventilation.
(Not available on single-hung or single-sliding windows.)



HIDDEN SCREEN TRACK creates a clean-line design for enhanced visual appeal; half screens are standard, optional full screens available.



High-Performance Glass Packages – Maximize Your Energy Savings Year-Round.

DISCOVER SUPERIOR QUALITY AND ENERGY EFFICIENCY FOR YOUR HOME.

Mezzo’s advanced design innovations paired with ultra-efficient insulating glass delivers exceptional functionality and style. Mezzo Windows provide a clean installation because they require no additional wall construction, in comparison to stock windows. Each window is custom-made with various frame and glass options to create the perfect window system for your home.

Various selections include:

Frame Type

Double- or Triple-Pane Glass

Sized to Exact Opening

Mezzo Windows achieve exquisite detail you’ll appreciate every day, from every angle.

Reducing energy loss is often the number one reason for purchasing replacement windows. Windows are roughly 80% glass, so it’s important to choose the ideal glass system for your home and climate. Upgrading to a high-performance Low-E (low-emissivity) insulated glass package will help further increase year-round energy savings.

Mezzo offers two families of high-performance insulated glass packages:

- ClimaTech® combines insulating Low-E glass, argon gas and the Intercept® Warm-Edge Spacer System that features a unique, one-piece metal alloy, U-channel design that creates an effective thermal barrier.
- ClimaTech ThermD features insulating Low-E glass, argon gas and a Stainless Steel Intercept Warm-Edge Spacer System for even greater thermal efficiency.

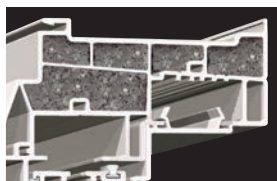


Winter Energy Savings: Low-E insulating glass reduces heat loss by reflecting warm air back into your home.



Summer Energy Savings: Low-E helps block unwanted solar heat penetration to help reduce air-conditioning usage.

ENHANCED CAVITY FOAM OPTION.



Mezzo Windows with enhanced cavity foam insulation are different than other windows. The silver-gray foam insulation provides greater thermal protection to keep your home warm in the winter and cool in the summer with less energy spending.

- The foam incorporates high-purity graphite granules into the expanded polystyrene (EPS) raw material.
- Each polystyrene granule contains graphite, giving it a silver-gray color and increasing its insulating performance above conventional EPS foam insulation.
- The carbonized foam material reflects radiant heat, lowers the thermal conductivity and improves the insulation capacity.
- Select chambers of the window are thermally reinforced with the precision-contoured foam liners to increase energy efficiency and achieve a lower U-Factor.
- U-Factor represents the window’s resistance to heat flow and energy loss – the lower the U-Factor, the greater the energy savings.
- Available in single-hung, double-hung, sliding and picture windows.

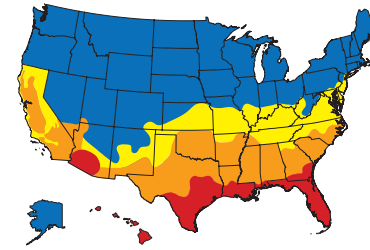
Above and Beyond –

Mezzo Meets Stringent ENERGY STAR® Requirements!



The ENERGY STAR label certifies that the window is a positive choice for energy efficiency, fuel savings and the environment. ENERGY STAR is a government-backed voluntary partnership program sponsored by the U.S. Environmental Protection Agency and the U.S. Department of Energy to help consumers recognize energy-efficient products. It's good for you and good for the environment!

Mezzo Windows meet or exceed stringent ENERGY STAR requirements. Every precision-engineered component contributes to superior energy savings. Advanced technological reinforcements deliver dependable strength while minimizing energy transfer – providing premium window performance with everyday affordability.



- Northern
- North-Central
- South-Central
- Southern

Mezzo Windows and Alside Patio Doors are available with a variety of glass options. Please consult your window professional to help you choose the best glass package to meet the ENERGY STAR requirements for your home and climate zone.

GLASS PACKAGES SPECIFIC TO YOUR NEEDS.

Insulated glass units* increase the energy efficiency of your windows beyond ordinary clear glass and can tailor the window to your specific climate challenges. The chart below makes it easy to compare the glass performance. The lower the U-Factor, the less energy you'll need to heat your home. The lower the Solar Heat Gain Coefficient (SHGC), the more you'll conserve on air-conditioning.

THERMAL PERFORMANCE COMPARISON⁵

	Double-Hung		Sliding	
	U-Factor	SHGC	U-Factor	SHGC
Clear Glass	0.46	0.57	0.46	0.58
ClimaTech	0.29	0.30	0.29	0.30
ClimaTech Elite	0.29	0.21	0.29	0.21
ClimaTech ThermD	0.28	0.30	0.28	0.30
ClimaTech ThermD Elite	0.28	0.21	0.27	0.21
ClimaTech ThermD with Enhanced Cavity Foam	0.27	0.30	0.27	0.30
ClimaTech ThermD S3	0.28	0.37	0.28	0.37
ClimaTech ThermD TG2	0.22	0.26	0.22	0.26
ClimaTech ThermD TG2 Elite	0.22	0.19	0.21	0.19

⁵ Whole window values, standard Mezzo offering with composite reinforcements. ST and HP performance values are also available.

TESTED AND PROVEN.

Mezzo Windows meet or exceed Air, Water and Structural Loads performance requirements as determined through ASTM (American Society for Testing and Materials) test methods, the globally recognized standards for product quality and safety.

Double-Hung Windows



FOREVER IN STYLE.

Mezzo's refined and purposeful design stays true to the classic double-hung style, yet exudes a cool, contemporary elegance with clean lines and crisp corners. The double-hung window is equally loved for its carefree functionality. No need to struggle with hard-to-reach areas. Both sashes tilt in to allow easy cleaning from inside the comfort of your home.

Built for everyday wear and tear, the expertly constructed sashes raise and lower easily on a constant force balance system, thus eliminating sash cords, weights and pulleys. Both the beauty and smooth operation of Mezzo Double-Hung Windows will be a simple pleasure.

- Narrowline frame and sashes with fusion-welded corners for exceptional beauty, strength and energy efficiency.
- Integrated sash-to-sill interlock provides a unified wall of strength; prevents the sash from bowing in extreme winds.
- Non-conductive, composite reinforcement in the meeting rails allows for secure mounting of hardware and improves energy efficiency.⁷
- True sloped sill creates a highly efficient drainage system to prevent water and debris accumulation.
- Constant force balance system provides smooth raising and lowering of sashes.
- Hidden screen track for a neat, clean appearance.



Comfortable, playful and
practical,
home is inspired by life.

Near Right: The easy-to-clean feature of Mezzo Double-Hung Windows adds to its popularity. Simply tilt in the sashes to access both sides of the glass from inside your home. Single-hung windows also are available, with a tilt-in bottom sash only. **Far Right:** Narrowline frame and sashes enhance the aesthetic appeal, inside and out.





Wide-open volume and natural light,
the perfect stage
for the perfect day.

Sliding Windows



SIMPLICITY AND EASE.

Visually sleek and deceptively strong, Mezzo Sliding Windows are distinct in their slim silhouette, ample glass area and smooth gliding action. Both sashes slide horizontally for easy opening and closing and lift out for convenient cleaning. The heavy-duty construction and weathertight fit ensure excellent performance and protection.

- Narrowline frame and sashes with fusion-welded corners for exceptional beauty, strength and energy efficiency.
- Insulated glass unit with double-strength glass and warm-edge spacer system provides superior thermal protection and longevity.
- Embedded, multi-chambered construction creates airtight insulating compartments for increased thermal performance and strength.
- Non-conductive, composite reinforcement in the meeting rails allows for secure mounting of hardware and improves energy efficiency.
- Nylon-encased dual brass roller system for easy-glide performance.
- Hidden screen track for a neat, clean appearance.

Above: Quiet and smooth operation is assured with a precision-engineered roller system.

Picture Windows and Special Shapes

SOMETIMES BOLD, ALWAYS BEAUTIFUL.

The true beauty of the picture window is its versatility. Whether grand or small, alone or combined with other window styles, Mezzo Picture Windows and Special Shapes make a statement of quality. The narrowline frame and full glass exposure offer an unobstructed outdoor view, while the high-performance insulating components provide a strong shield of protection against harsh weather and energy loss.



Above: Picture windows and special shapes invite creativity when designing your home's window system. Use alone or combine multiple units to create a dramatic focal point.

- Narrowline frame with fusion-welded corners for exceptional beauty, strength and energy efficiency.
- Insulated glass unit with double-strength glass and warm-edge spacer system (picture windows) provides superior thermal protection and longevity.
- Embedded, multi-chambered construction creates airtight insulating compartments for increased thermal performance and strength.
- Choose from a variety of architectural styles, including Circle Top, Quarter Arch, Eyebrow, Half Eyebrow, Ellipse, Full Circle, Hexagon, Octagon, Pentagon, Cathedral, Trapezoid, Triangle and more.

Casement and Awning Windows

THE PINNACLE OF UTILITY AND DESIGN.

There's more to casement and awning windows than meets the eye. There's history and practicality, merging the old-world craftsmanship of a charming crank handle with the refined details of today's advanced window technology. Featuring a low-profile, easy-touch nesting handle, the casement sash gently opens outward, while the awning window opens up and out.

CASEMENT WINDOWS

- Beveled exterior sash design creates the appearance of a larger glass area with an attractive slimline look.
- Step-down frame with compression-type inner bulb seal achieves a tight seal during inclement weather.
- State-of-the-art hinge system provides multi-directional ventilation and allows sash cleaning from inside the home.
- Positive crank mechanism permits easy operation when opening and closing the sash.
- Multi-point locking system ensures a tight seal and increased comfort.
- Multiple lite configurations available in a single mainframe.

AWNING WINDOWS

- Beveled exterior sash design gives the window the appearance of a larger glass area with an attractive slimline look.
- Heavy-duty, state-of-the-art hinge system provides easy operation from inside the home.
- A dual locking system on each side of the window.
- Multiple lite configurations available in a single mainframe.
- Combine with fixed lites to allow for convenient ventilation while creating increased visibility.



CASEMENT WINDOW



AWNING WINDOW

A refreshing
infusion
of personality and style.

Bay, Bow & Garden Windows

BRING OUT THE CHARACTER.

A striking focal point, a cozy reading nook, a bright display of herbs and flowers – anything is possible with bay, bow and garden windows. Each of these windows can transform your room from basic to beautiful.



BOW WINDOW



BAY WINDOW



GARDEN WINDOW

GARDEN WINDOWS

- Fully welded mainframe for strength and stability.
- Clear 1" insulated glass unit provides all-weather protection.
- Top sloped insulating glass panel is tempered for increased durability.
- Multi-point locking system for a tighter seal and added comfort.
- Available with white screens and white hardware only.

BAY AND BOW WINDOWS

- 1-1/4" furniture-grade veneer is standard in the construction of head, seatboard and jambs.
- Head and seatboard are available in oak or birch veneer finishes and ready for painting or staining.**
- 3" pre-insulated seatboard option.
- Slimline reinforced mullion design.
- Bay and bow windows are available in a variety of colors and finishes.
- Exterior roof system available with optional copper or painted aluminum roof clad kits.

BAY/BOW AVONITE SEATBOARD OPTIONS



Sliding Patio Doors

LEGENDARY QUALITY WITH MODERN DETAIL.

There's no better measurement for a patio door than performance. From a quality design and excellent construction to smooth operation and enduring beauty – our sliding patio doors are a premier choice. Each door combines best-in-class manufacturing technology with artistic detail to provide an entry that's beautifully welcoming and always weathertight. Choose from three distinctive styles in Contemporary, Classic and French.

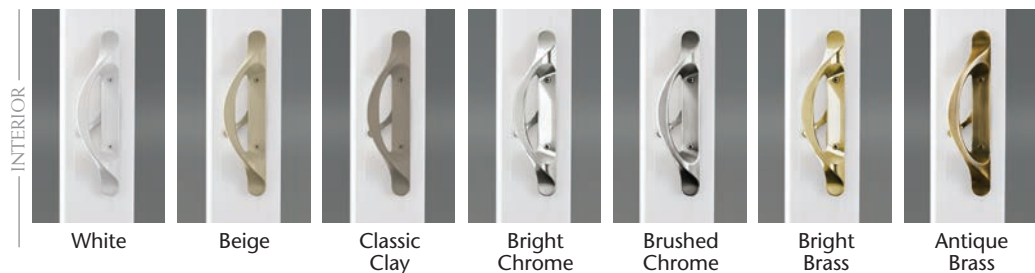
- Premium vinyl mainframe and sash extrusions are colored throughout – won't chip, peel, crack or warp and never needs to be painted.
- Mainframe and sash feature a double-wall design and multi-chambered construction for increased strength.
- 1" thick insulated glass unit with warm-edge spacer system saves energy year-round.
- Dual internal/external weatherstripping on the sash ensures optimal energy efficiency.
- Steel reinforcements at the interlocks and lock rails increase structural integrity.
- Precision-engineered tandem roller system ensures easy and quiet door operation.
- Heavy-duty extruded aluminum screen features four adjustable rollers for smooth gliding.
- Available in a 2-panel style in 5', 6', 8' and Wisconsin-style widths; 3-panel styles in 9' and 12' widths; and a 4-panel style in a 12' width with center panels that open to each side.
- Choose from a variety of solid colors, woodgrain options, hardware finishes and grid patterns to complement your Mezzo Windows.



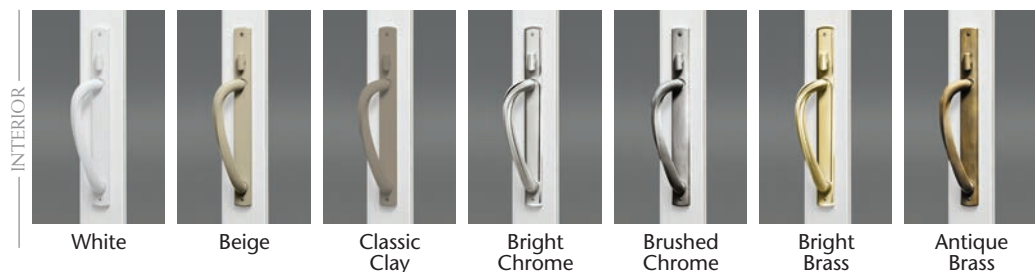
A naturally
beautiful
point of view.

Opposite page upper left: The Contemporary-style patio door features 3" symmetrical sash rails for a sleek, clean-line design. **Opposite page upper right:** The Classic-style door conveys traditional beauty with generous 5" sash rails. **Opposite page bottom:** The 5" top rail, 7" bottom rail and 3" side rails of our French-style door combines French door charm with floor space-saving functionality.

CONTEMPORARY AND CLASSIC PATIO DOOR HANDLES



FRENCH PATIO DOOR HANDLES



Contemporary, Classic and French-style exterior patio door handles are available in white, beige, classic clay and black.



CONTEMPORARY-STYLE PATIO DOOR



CLASSIC-STYLE PATIO DOOR



FRENCH-STYLE PATIO DOOR

FrameWorks® Color Collection

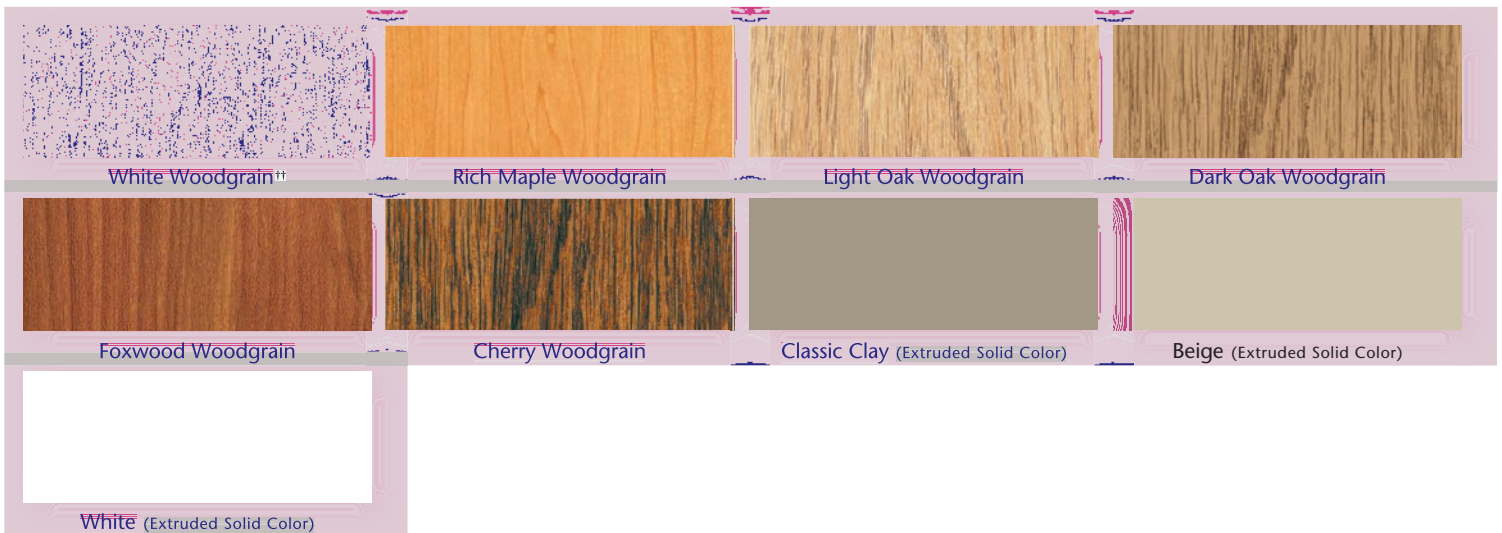
EXCEPTIONAL STYLE FOR EVERY HOME.

Beauty and vision, performance and strength – it all comes together in Mezzo’s exciting collection of styles, colors and custom accents. Our FrameWorks exterior colors feature a cutting-edge polyurethane coating technology with heat-reflective pigments for a remarkably strong and fade-resistant finish. Interior woodgrain laminates are performance-engineered for superb durability that maintains its attractive appearance over the life of the product.

EXTERIOR COLORS



INTERIOR COLORS



†† White woodgrain is available with a Beige or Classic Clay base only.

Note: Classic Clay base is not available with exterior color finishes. White, Beige and Classic Clay windows and patio doors will have matching interior hardware. Windows and patio doors ordered with a Light Oak, Dark Oak or Rich Maple interior will receive Pontiac Gold hardware. Windows and patio doors ordered with a Cherry or Foxwood interior will receive Brown hardware.

Design Options

GRID OPTIONS

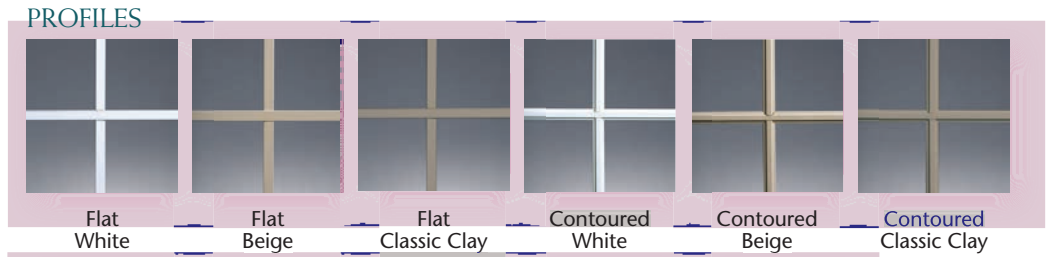
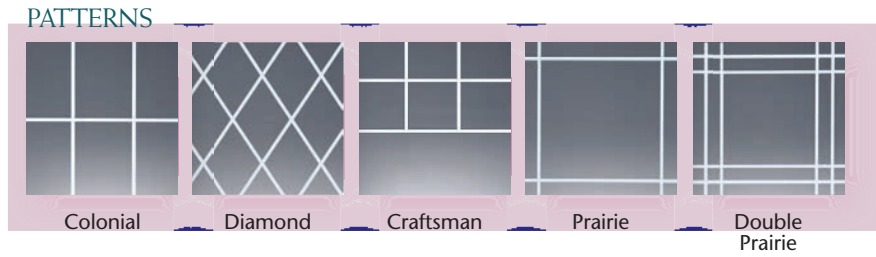
Decorative grids lend an added measure of style and dimension to your windows. Contoured colonial grids are available in 3/4" and 1" profiles with complementary colors and matching woodgrains.⁸

All grids are enclosed within the insulated glass unit for easy cleaning. First, select a grid pattern from one of our five styles, and then choose a grid profile to achieve your ideal finished look.

Flat Grids – available in Colonial, Diamond, Craftsman, Prairie and Double Prairie patterns.

Contoured Grids – available in Colonial, Craftsman, Prairie and Double Prairie patterns.

⁸1" contoured colonial grids are not available in matching woodgrains.



V-GROOVED CUT GLASS

Mezzo Windows and Alside Patio Doors offer two classic V-grooved cut glass patterns – the perfect way to add a touch of elegance without obstructing the view.



SIMULATED DIVIDED LITES

Simulated Divided Lites expertly combine the distinctive historical window design with the superior quality, energy efficiency and easy-care convenience of today's advanced technology.



TRIMWORKS® EXTERIOR TRIM SYSTEM



This full-frame window replacement system features a variety of exterior casing and brickmould options that are custom fabricated with each window for a weathertight installation and beautiful finished look.



Flat Casing
Available with and without bullnose sill.



Brickmould
Available in 1-1/2" and 3/4" profiles.

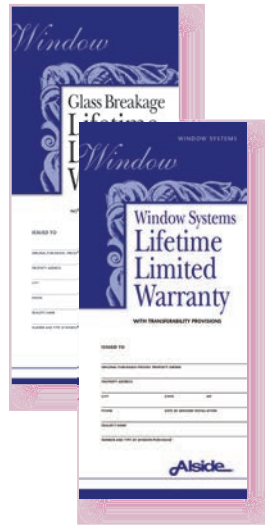
Peace of Mind



Smarter choices for a
better world,
 today's homeowners are
 happily choosing green.

THE ALSIDE LIFETIME LIMITED WARRANTY.

Mezzo Windows are made by Alside, a recognized leader in product innovation, manufacturing excellence and uncompromising quality control. That's a reputation you can count on, from the day your windows are installed until the day you sell your home. And to make your buying decision easier, Alside backs all Mezzo Windows with a Lifetime Limited Warranty,* one of the strongest in the industry, along with an optional glass breakage warranty. In addition, our FrameWorks Color Collection exterior finishes carry a 10-year fade-resistance warranty – further assurance of lasting performance and value.



GREEN INSPIRATION.

Exceptionally energy-smart and weathertight, Alside Windows and Patio Doors not only help reduce fuel consumption needed to heat and cool homes, they also boast a long service life and achieve optimal material use and minimal waste in production. Virtually all in-plant vinyl scrap is recycled into other useful products, further reducing the environmental impact of waste. Vinyl windows also are eco-friendly because vinyl resin is derived largely from common salt – a sustainable and abundant natural resource!⁹



⁹Source: A Clear View – Vinyl Windows and the Environment. American Architectural Manufacturers Association (AAMA) and The Vinyl Institute (VI).



Alside 3773 State Road Cuyahoga Falls, Ohio 44223
 1-800-922-6009 www.alside.com



Fusion[®]
QUALITY VINYL WINDOWS



Alside[®]

Fusion Quality Vinyl Windows

BEAUTIFULLY PROTECTIVE AND ENERGY SMART.

Fusion Windows are expertly crafted to provide year-round comfort, energy efficiency and lasting value. Featuring fusion-welded sashes and mainframe, multi-chambered extrusions, composite-reinforced interlocking meeting rails and an insulating glass unit, Fusion Windows will deliver years of smooth operation and thermal protection for your home.



Above Top: Fusion Double-Hung Windows feature a constant force balance system to ensure smooth operation; both sashes tilt in for convenient cleaning from inside your home. **Above:** Fusion Sliding Windows glide horizontally on a nylon-encased dual brass roller system, and the sashes lift out for easy cleaning.

ENDURING STYLE, EASY UPKEEP.

You'll appreciate the quality craftsmanship and carefree maintenance of Fusion Windows. The premium vinyl mainframe and sashes won't rot, split, corrode or pit like painted wood windows and won't swell or warp from exposure to moisture. Your windows will maintain their attractive appearance inside and out with minimal upkeep.

DOUBLE-HUNG WINDOWS

Our double-hung windows combine classic good looks with superior functionality. Both sashes tilt-in to offer convenient cleaning from inside your home.

- Fusion-welded mainframe and sashes for added strength.
- Interlock at sash meeting rails creates a tight seal against air infiltration.
- Sloped sill forces water to drain to the exterior of the window.
- Constant force balance system ensures smooth sash operation.

SLIDING WINDOWS

The generous glass area of sliding windows offers an infusion of natural light and an unobstructed outdoor view. Sleek sashes glide horizontally and lift out for easy cleaning.

- Fusion-welded mainframe and sashes for added strength.
- Multi-wall extrusions enhance structural integrity, strength and thermal efficiency.
- Interlock at sash meeting rails creates a tight seal against air infiltration.
- Nylon-encased dual brass rollers ensure smooth sash operation.



Beautifully
built for the way you live.

QUALITY CRAFTED FOR SUPERIOR PERFORMANCE.

1. Vinyl mainframe and sashes won't chip, peel, crack or warp; the premium vinyl color is formulated throughout so the beautiful luster lasts.
2. Multi-chambered sash and mainframe create insulating air spaces for increased thermal efficiency.
3. Insulated glass unit* with the Intercept® Warm-Edge Spacer System helps achieve year-round energy conservation.
4. Interlock at sash meeting rails provides increased strength, insulation and comfort.
5. Protective bulb seal helps prevent air infiltration at the meeting rails.
6. Drop-in glazing for extra protection from the elements.
7. Fully extruded lift rails provide strength and stability for easy operation.
8. Sloped sill forces water to drain to the exterior of the window.
9. Hidden screen track for clean lines and added beauty.
10. Bulb seal at the sill creates extra protection from dust, dirt and air infiltration.



INSULATING CLIMATECH® GLASS PACKAGES.

Reducing energy loss is often the number one reason for purchasing replacement windows. When you consider that windows are roughly 80% glass, you'll see why upgrading your windows with an insulated glass system can significantly improve the overall energy efficiency. Our optional ClimaTech glass package combines insulating Low-E (low-emissivity) glass, argon gas and the Intercept Warm-Edge Spacer System that features a unique, one-piece metal alloy, U-channel design that creates an effective thermal barrier. ClimaTech insulated glass packages have proven to be far more effective than ordinary insulated glass units. Low-E glass also helps minimize UV rays that can cause furnishings to fade.



Summer Energy Savings: Low-E helps block unwanted solar heat penetration to help reduce air-conditioning usage.



Winter Energy Savings: Low-E insulating glass reduces heat loss by reflecting warm air back into your home.

PLUS THESE ADDITIONAL FEATURES:

- Dual vent stops provide a limited and convenient opening of the window for ventilation.
- Constant force balance system eliminates sash cords, weights and pulleys and provides easy raising and lowering of the sashes (double-hung window).
- Protective double-barrier fin seal weatherstripping at sash sides helps block dirt, noise and air infiltration.
- Beveled exterior profile gives windows a clean, elegant look.



Alside offers a variety of ENERGY STAR® qualified products. Consult your window professional for the optimal glass package required for your home and climate zone.

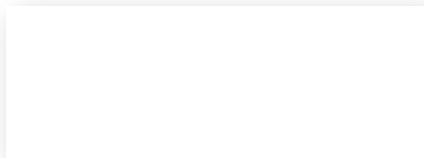
Decorative Options and Warranty



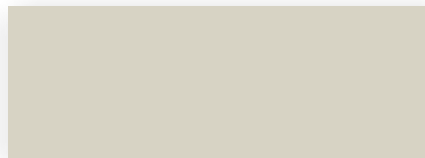
Warm and welcoming, the
beautiful
comfort of home.

CLASSIC COLORS.

Fusion Windows are available in White and Beige to complement a variety of home exteriors and interior décors.



White



Beige

INTERIOR GRIDS.

Adding a decorative contoured grid will lend a measure of style and dimension to your windows. The grids are enclosed within the insulated glass unit for easy cleaning. Choose from three attractive grid patterns to design the ideal window for your home.

PATTERNS



Colonial

Prairie

Double
Prairie

PROFILES

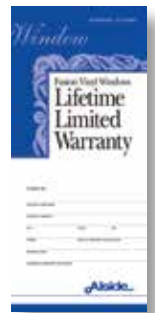


Contoured
White

Contoured
Beige

WARRANTY COVERAGE.

Fusion Windows are made by Alside, a recognized leader in product innovation, manufacturing excellence, and uncompromising quality control. That's a reputation you can depend on, from the day your windows are installed until the day you sell your home.



Fusion Windows carry a lifetime limited warranty.† Please see the printed warranty for complete details.



PRODUCTS FOR EVERY ARCHITECTURAL NEED.

For a variety of looks from traditional to contemporary, no matter what the application is, Alside has you covered. Ask about our collection of beautiful, energy-efficient sliding patio doors and maintenance-free vinyl siding.



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