Fairfield 80

80 Series Fusion-Welded Vinyl Windows

Beautifully Engineered for Exceptional Energy Efficiency

Alside®

INNOVATIONS IN WINDOW TECHNOLOGY

Sleek Style, Superb Performance

A LEGACY OF EXCELLENCE

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 75 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 producing your windows at our U.S. operations. This not only champions the tradition of American ingenuity and craftsmanship, it also fortifies our nation with quality jobs and economic dollars.

FUTURE-FORWARD WINDOW DESIGN

Sleek, strong, energy-efficient and virtually maintenance-free, Fairfield 80 Series Windows deliver every "must-have" in a high-performance replacement window. The premium vinyl technology and ultra-efficient insulated glass unit save energy year-round,[1] while the clean-line design elevates the architectural style of your home – inside and out.

A MORE COMFORTABLE HOME

Fairfield 80 Series Windows provide a powerful thermal shield to keep your home cooler in the summer and warmer in the winter with less energy use. Fusion-welded mainframe and sashes feature multi-chambered extrusions that trap dead air for an effective insulating barrier. Heavy-duty double-pile weatherstripping, interlocking sash meeting rails and integrated insulating components further defend your home against energy loss.

CAREFREE UPKEEP

The beauty is built in! Fairfield 80 Series' premium vinyl construction 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 like-new appearance year after year and never need to be painted.

GREEN INSPIRATION

Alside Windows and Patio Doors are expertly crafted to provide energy efficiency and help reduce the consumption of fossil fuels for heating and cooling homes. Using less energy to heat and cool your home not only saves money, it can reduce your home's carbon footprint as well. Vinyl's long lifespan and low maintenance nature can further lessen your impact on the environment as no painting, staining, or other maintenance-related products are needed.

USGBC MEMBER

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ULTRA-EFFICIENT GLASS PACKAGES

Windows are about 80% glass, so it's important to choose a glass system that meets the specific challenges of your climate. Upgrading your windows with a ClimaTech® insulated glass package will further increase your energy savings.

SAVE MORE ENERGY WITH CLIMATECH GLASS

- ClimaTech combines multi-layered, low-emissivity (Low-E) glass, argon gas[2] and the Intercept Warm-Edge Spacer System.
- Proven to be far more energy efficient than ordinary clear glass units.
- Compare the glass package 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

In summer months, Low-E glass helps block unwanted solar heat gain.

In winter months, Low-E reduces heat loss by reflecting warm air back into your home.

HIGH-PERFORMANCE SPACER SYSTEMS

The spacer system is a key component to the window's energy efficiency. Fairfield 80 Series offers three options.

The **Intercept Warm-Edge Spacer** features a unique, one-piece metal alloy, U-channel design that reduces heat loss through the window; it's stronger and better at retaining insulating gas than traditional box metal spacers. Or choose the **ClimaTech ThermD Stainless Steel Intercept Spacer** for superior strength and even greater insulating gas retention in the window unit.

The **Optional Foam Spacer** combines a structural foam spacer with a seal of hot melt butyl to create a "warm" non-conductive edge. This non-metal design eliminates any metal-to-glass contact, thereby increasing the edge of the glass temperature for a highly effective thermal barrier.

Fairfield 80 Series Glass Performance Comparison[3]

	Single-Hung		*Sliding*	
	U-Factor	*SHGC*	*U-Factor*	*SHGC*
Clear Insulated	0.48	0.61	0.48	0.61
ClimaTech	0.32	0.33	0.31	0.33
ClimaTech Elite	0.31	0.22	0.31	0.21
ClimaTech ThermD	0.30	0.33	0.30	0.33
ClimaTech TG2	0.23	0.28	0.23	0.28

[3]Whole window values, single-strength glass.

YOU CHOOSE!

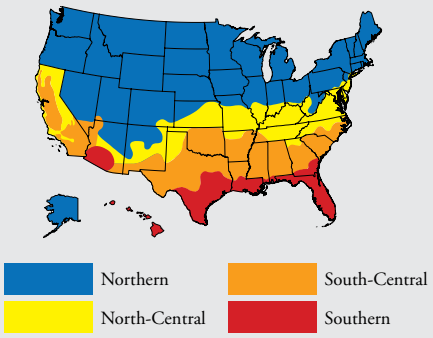
Ask about our extensive selection of glass package options specifically designed for increased insulation and protection from solar heat gain.

WE SELL ENERGY STAR

Alside offers a variety of ENERGY STAR®-certified products. Consult your window professional for an energy-efficient glass package for your home and climate zone.

BUILT FOR YOUR CLIMATE

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!



PRECISION-BUILT FROM THE INSIDE OUT

Leave it to Fairfield 80 Series Windows to combine energy-saving innovations with superior strength, contemporary style, carefree upkeep and excellent value.

1. Premium vinyl won't chip, peel, crack or warp; never needs to be painted.
2. Multi-chambered extrusions for superior welding strength and thermal efficiency.
3. 1" thick (nominal) insulated glass unit for year-round energy savings; double-strength glass optional.
4. Intercept® Warm-Edge Spacer protects against energy loss.
5. Interlock at sash locking rail increases strength.
6. Metal-reinforced locking rail ensures durability.
7. Fully extruded dual lift rails for easy sash operation.
8. Drop-in exterior glazing provides enhanced performance during inclement weather.
9. Full capture sill enhances protection from air and water infiltration.
10. Hidden screen track for a sleek, clean appearance.
11. Nailing fin welded at all corners for weathertight installations.

ADDITIONAL FEATURES

- Heavy-duty fusion-welded mainframe and sash.
- 3-3/8" frame depth for multiple applications.
- Sash operates on two concealed, pre-calibrated block and tackle sash balances.
- Double-pile weatherstripping helps block energy loss.
- Side-load bottom sash for convenient cleaning access.
- Covered weep holes allow water drainage to the exterior and prevent water or debris from coming in.
- Water management system with offset drainage to the exterior.

FRAME CONFIGURATIONS

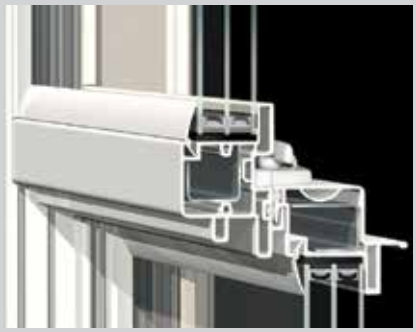
Fairfield 80 Series Windows come standard with a 1-3/8" nail fin. For enhanced appearance and ease of installation, three additional options are also available.

1-3/8" Nail Fin (standard)

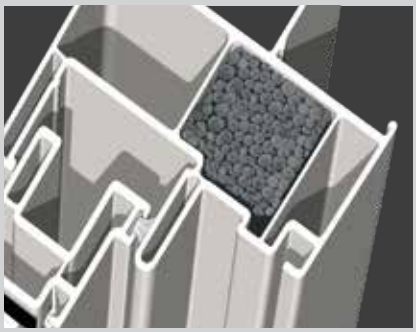
1" Set Back Nail Fin

Stucco Fin

Block Frame



Triple-pane glass option increases energy savings and reduces outside noise penetration.



ClimaTech iE option features insulating foam liners in select mainframe channels.

Optional PAL lock (shown locked and unlocked) makes it easy to close and lock the window in a single motion.

Optional ADA compliant PAL lock (shown locked and unlocked) with an adjustable pull cord to disengage the lock.

SLIDING WINDOWS

Available in 2- and 3-lite styles, Fairfield 80 Series Sliding Windows feature a generous glass area that offers a great outdoor view. Distinctive for their smooth horizontal gliding action, sliding windows also feature sashes that lift out for easy cleaning.†

- Fusion-welded mainframe and sashes for increased strength and a clean, low-profile finished look.
- Multi-walled extrusions provide superb structural integrity.
- Integral pull handle for easy opening and closing of the window.
- Integral full-length interlock with double-pile weatherstripping increases strength and thermal performance.
- Specially designed brass tandem roller system ensures smooth operation.
- Cam lock and keeper for a tight seal and increased energy efficiency.

Cam Lock and Keeper

Tandem Brass Roller System

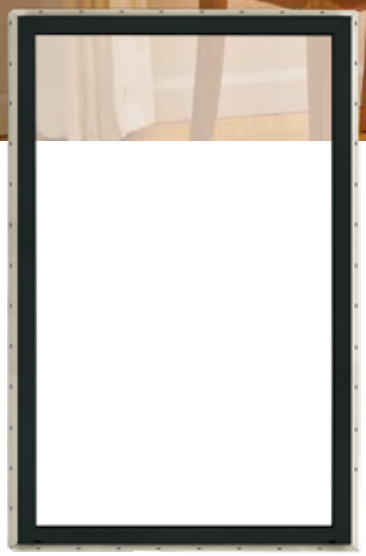
Integrated Pull Handle

Metal-Reinforced Meeting Rail

Integrated Nail Fin

PICTURE, FIXED-LITE *and* SPECIALTY SHAPE WINDOWS

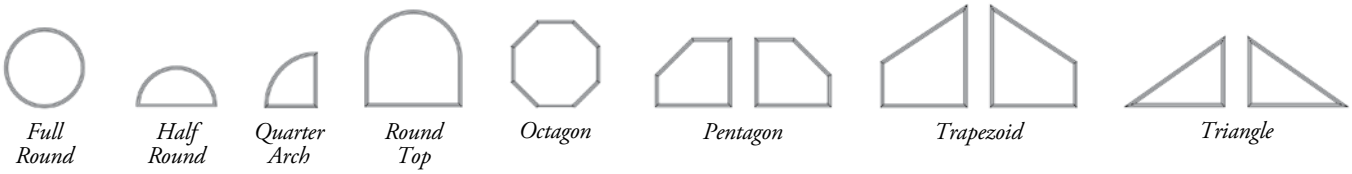
Paired with a beautiful outdoor view and an infusion of natural light, large picture windows can transform your home by creating a spacious and airy ambiance. Add specialty shape windows and fixed-lites to expand your window design.



- Fusion-welded mainframe for increased strength and a clean, low-profile finished look.
- Multi-walled extrusions provide superb structural integrity.
- 1-1/8" wide nailing fin is welded in all four corners to ensure weathertight performance.
- 1" thick (nominal) insulated glass with warm-edge technology for year-round energy savings.
- Narrow sight-lines create a clear, expanded view.
- Combine specialty shape windows and fixed-lites for a custom design.

SPECIALTY SHAPES

Choose from a wide array of shapes including round tops, cathedrals, octagons, pentagons, trapezoids, triangles and more.



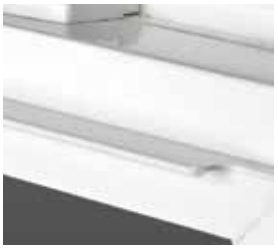
SINGLE-HUNG WINDOWS

With simplicity and ease, Fairfield 80 Series Single-Hung Windows will beautify and protect your home. The classic elegance of single-hung windows complements a variety of architectural styles – from contemporary to rustic.

- Fusion-welded mainframe and sashes for increased strength and a clean, low-profile finished look.
- Multi-walled extrusions provide superb structural integrity.
- 1" thick (nominal) insulated glass with warm-edge technology for energy savings.
- Side load sash operates on two concealed, pre-calibrated sash balances.
- Integral lift rails ensure easy raising and lowering of the sash.
- Cam lock and keeper for a tight seal and energy efficiency.
- Full weatherstripping on the perimeter provides greater energy savings.

Cam Lock and Keeper

Weep Holes



Integrated Dual Lift Rails

Metal-Reinforced Meeting Rail

Integrated Nail Fin

CASEMENT WINDOWS

Fairfield 80 Series Casement Windows feature an easy-touch crank handle for a gentle outward opening of the sash. Combining casements with fixed-lites will customize your window design with character and charm.

- An easy-to-operate, heavy-duty positive crank mechanism ensures smooth opening and closing of the sash.
- Stainless steel hardware delivers years of trouble-free hinge operation.
- Multi-walled extrusions provide superb strength, durability and structural integrity.
- An energy-efficient design with double compression bulb seal helps protect against air and water infiltration.
- Multiple lite configurations are available in a single mainframe.

Dual Locking System

Heavy-Duty Hinge System

Operating Handle

AWNING WINDOWS

Add a distinctive touch of style to your home with Fairfield 80 Series Awning Windows. Opening up and outward with a convenient crank handle, awning windows enhance any room with natural light and refreshing ventilation.

- Fusion-welded mainframe and sashes for increased strength and a clean, low-profile finished look.
- Heavy-duty, state-of-the-art hinge system provides easy opening and closing of the sash.
- A dual locking system on each side of the window offers added comfort.
- Combine with fixed lites to allow for convenient ventilation while creating a larger window design.
- Multiple lite configurations are available in a single mainframe.

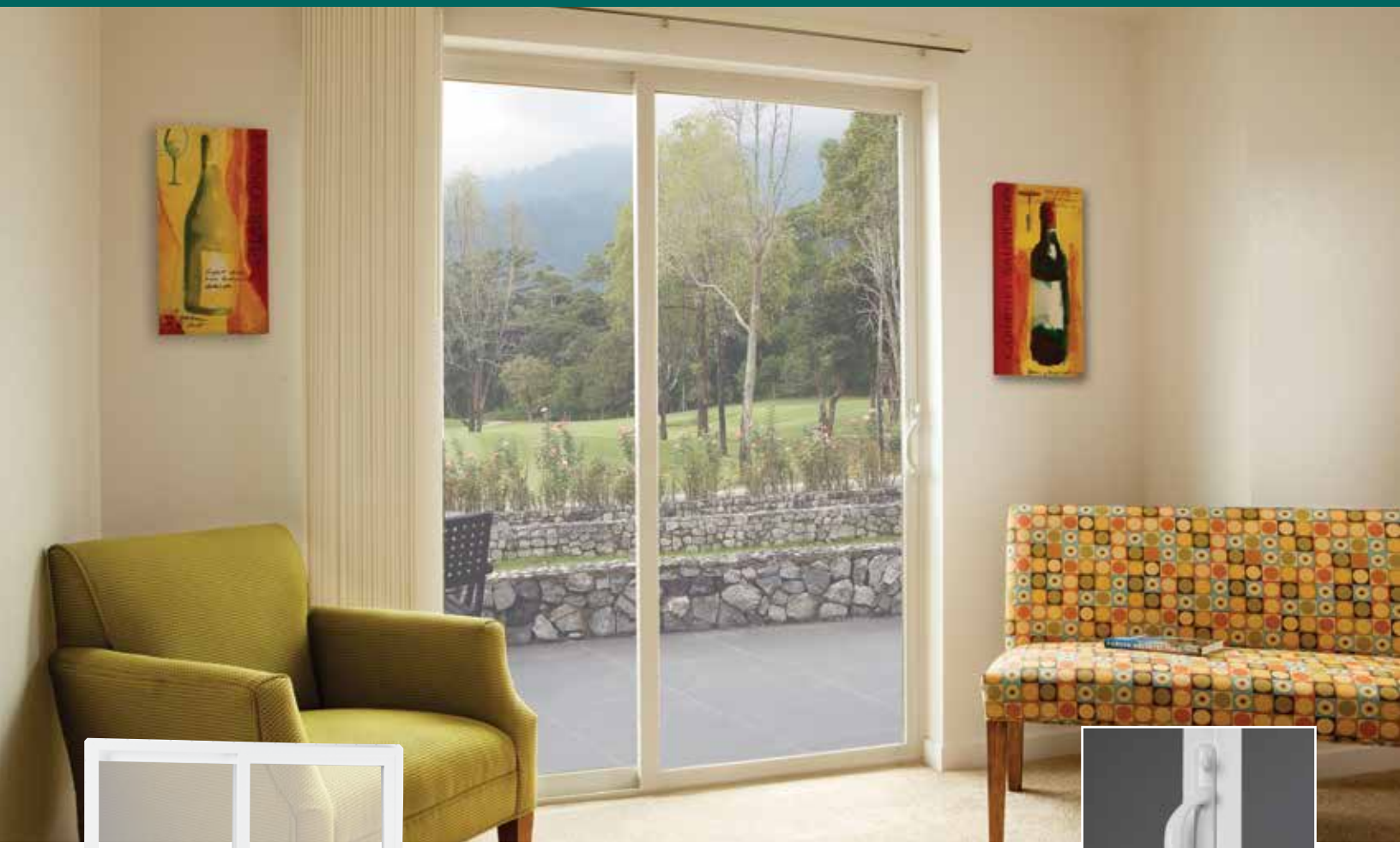
Dual Locking System

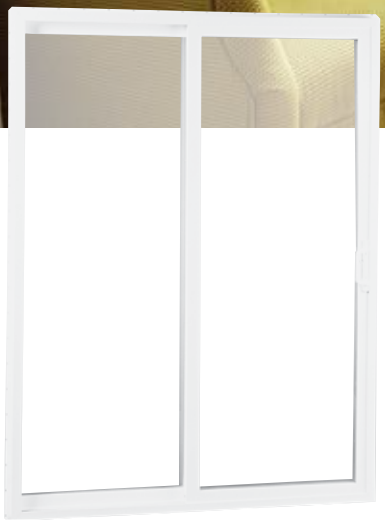
Heavy-Duty Hinge System

Operating Handle

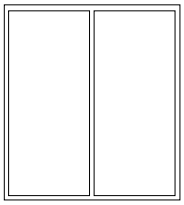
SLIDING PATIO DOORS

With their pristine appearance, Fairfield 80 Series Sliding Patio Doors will create a stylish entry for your home. A well-built patio door invites the beauty of outdoors inside, while providing an energy-efficient barrier against inclement weather.

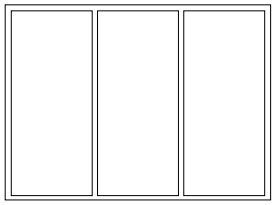




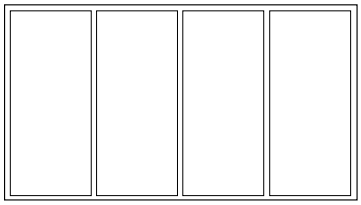
- Fusion-welded construction delivers long-lasting durability.
- Sturdy 4-1/2" frame depth and 1" wide integral nailing fin with 1-3/8" set back for added structural integrity.
- Stucco fin option is also available.
- 1" thick (nominal) insulated glass with warm-edge technology provides all-weather protection.
- Adjustable dual tandem roller system on an aluminum track ensures easy gliding action.
- Keyed handle lock and foot lock options.
- Two-, three- and four-panel configurations available.



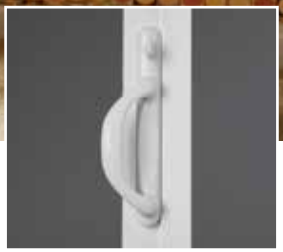
Two-Panel Configuration



Three-Panel Configuration



Four-Panel Configuration



European-Style Handle with Thumb Lock

Metal-Reinforced Meeting Rail

Adjustable Steel Tandem Rollers

DECORATIVE OPTIONS
Add Your Personal Touch

COLORS

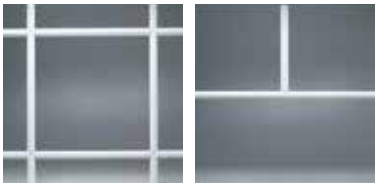
Fairfield 80 Series Windows are offered in White, Almond and Desert Clay with solid color formulated throughout. Black, Architectural Bronze and Silver high-performance exterior finishes are available with a White or Almond interior only.

White | *Almond* | *Desert Clay* | *Black* | *Architectural Bronze* | *Silver*

INTERIOR GRIDS

Decorative grids will lend style and dimension to your windows. Classic grids are available in White, Almond and Desert Clay. All grid selections are offered in Colonial, Prairie and Craftsman patterns in a 5/8" standard flat grid, a 3/4" contoured grid and a 1" contoured grid.

5/8" Standard Colonial | *5/8" Standard Prairie* | *5/8" Standard Craftsman* | *3/4" Contoured Colonial* | *3/4" Contoured Prairie* | *3/4" Contoured Craftsman* | *1" Contoured Colonial*



1" Contoured Prairie | *1" Contoured Craftsman*

OBSCURE GLASS

Obscure glass styles offer privacy for bathrooms and other areas of your home without blocking the natural light.

Obscure | *Rain* | *Narrow Reed* | *Glue Chip* | *Satin Etched*

THE ALSIDE LIFETIME LIMITED WARRANTY

Fairfield 80 Series 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 Fairfield 80 Series Windows with its Lifetime Limited Warranty.[¥]

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CUSTOM-CRAFTED IN AMERICA

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