

Fairfield 80

80 Series Fusion-Welded Vinyl Windows



*Beautifully engineered –
for exceptional style, strength and energy efficiency.*

Alside[®]

Innovations in Window Technology



A smart choice. Fairfield 80



Designed for year-round energy conservation¹ – and beautiful transformation.

In Fairfield 80 Series Windows, you have discovered a window that will reduce your energy use while enhancing the beauty of your home, inside and out. Masterfully crafted with a premium vinyl construction, fusion-welded technology and high-performance glass, Fairfield 80 Series will exceed your every expectation for quality and value.

Experience you can trust.

When you buy Fairfield 80 Series 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 of 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.

Future-forward window systems for advanced energy savings.

Fairfield 80 Series Windows incorporate precision-engineered components for a powerful thermal shield that keeps homes cooler in the summer and warmer in the winter while promoting energy conservation. Beginning with the fusion-welded mainframe and sashes, the weathertight construction features multi-chambered extrusions that trap dead air for an effective insulating barrier. Double-pile weatherstripping, interlocking sash meeting rails and ultra-efficient glass further prevent energy loss.



Go Green

Exceptionally strong and weathertight, Alside Windows and Patio Doors are masterfully crafted to provide energy efficiency and help conserve the consumption of fossil fuels for heating and cooling homes. They also boast a long service life and are produced with manufacturing efficiencies designed to reduce waste during production. As a recyclable material, in-plant vinyl scrap can be reused for other products, further lessening the volume and environmental impact of waste.

Series Windows.



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Functionality and Refinement

Leave it to Fairfield 80 Series Windows to deliver energy-saving innovations while lending the perfect touch of elegance to your home.

1. **Premium vinyl mainframe and sashes** are colored throughout – won't chip, peel, crack or warp and never need to be painted.
2. **Multi-chambered mainframe and sash construction** create effective insulating air spaces for thermal efficiency.
3. **1" thick insulated glass unit** with dead air space promotes energy efficiency year-round.
4. **Intercept® Warm-Edge Spacer System** helps block the transfer of heat and cold at the edge of the glass for greater thermal performance.
5. **Interlock at sash locking rail** adds strength and reduces air infiltration.
6. **Metal reinforcement in the locking rail** increases rigidity and durability.
7. **Fully extruded dual lift rails** ensure easy and convenient operation of the sash.
8. **Drop-in glazing** provide energy efficiency and interior aesthetic appeal.
9. **Full capture sill** enhances protection from air and water infiltration.
10. **Hidden screen track** for added beauty.

Plus these additional features:

- Fusion-welded frame and sashes for increased strength and structural integrity.
- 3 3/8" frame depth for multiple applications.
- Side-load sash operates on two concealed, pre-calibrated block and tackle sash balances.
- Double-pile weatherstripping at the meeting rail for added thermal protection.
- 1" thick glazing standard – triple glazing is also available.
- Side-load bottom sash makes cleaning convenient from inside the home.
- Water management system with offset drainage to the exterior.



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



1 3/8" Nail Fin (standard)



1" Set Back Nail Fin



Stucco Fin



Block Frame



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

Ultra-Efficient Insulated 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 enhance your windows. ClimaTech combines multi-layered, low-emissivity (Low-E) glass, argon gas² and the Intercept Warm-Edge Spacer System for improved energy efficiency compared to a standard clear glass unit.



In summer months, Low-E glass helps block unwanted solar heat penetration to help conserve air-conditioning use.



In winter months, Low-E insulating glass reduces heat loss by reflecting warmth back into your home.

High-performance spacer systems.

Another key component to a window's energy efficiency is the spacer system.

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, further reducing the transfer of heat at the edge of the glass unit for improved energy efficiency.



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 and greater energy efficiency than a traditional box metal spacer.



Save more energy with ClimaTech glass.

ClimaTech insulated glass packages have proven to be far more effective than ordinary clear glass units. 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.

Fairfield 80 Series Glass Performance Comparison³

	Single-Hung		Sliding	
	U-Factor	SHGC	U-Factor	SHGC
Clear Insulated	0.48	0.61	0.48	0.61
ClimaTech LT	0.35	0.33	0.35	0.33
ClimaTech	0.31	0.33	0.31	0.33
ClimaTech iE	0.31	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 ThermD Elite	0.30	0.22	0.30	0.21
ClimaTech Plus	0.30	0.33	0.30	0.33
ClimaTech Plus Elite	0.29	0.22	0.29	0.21
ClimaTech TG2 ⁴	0.24	0.28	0.23	0.28
ClimaTech TG2 Plus ⁴	0.22	0.28	0.22	0.28
ClimaTech Elite Extreme ⁴	0.31	0.14	0.31	0.14
Energy HSG ⁴	0.33	0.53	0.33	0.53

³Whole window values / single-strength glass

⁴Whole window values / double-strength glass

Glass Package Terminology:

Clear Insulated: Clear double-pane insulated glass unit.

ClimaTech LT: Soft coat, multi-layer vacuum deposition Low-E glass and the Intercept Spacer System.

ClimaTech: Soft coat, multi-layer, vacuum deposition Low-E glass with argon gas and Intercept Spacer System.

ClimaTech iE: Soft coat, multi-layer, vacuum deposition Low-E glass with argon gas and Intercept Spacer System. Carbonized foam insulating liners in select frame channels.

ClimaTech Elite: Soft coat, SHGC multi-layer, vacuum deposition Low-E glass with argon gas and Intercept Spacer System.

ClimaTech ThermD: Soft coat, multi-layer, vacuum deposition Low-E glass, argon gas and Stainless Steel Intercept Spacer System.

ClimaTech ThermD Elite: Soft coat, SHGC multi-layer, vacuum deposition Low-E glass, argon gas and Stainless Steel Intercept Spacer System.

ClimaTech Plus: Soft coat, multi-layer, vacuum deposition Low-E glass with argon gas and Foam Spacer System.

ClimaTech Plus Elite: Soft coat, SHGC multi-layer, vacuum deposition Low-E glass with argon gas and Foam Spacer System.

ClimaTech TG2: Triple-glazed unit with two surfaces of Low-E glass and two air spaces of argon gas with the Intercept Spacer System.

ClimaTech TG2 Plus: Triple-glazed unit with two surfaces of Low-E glass and two air spaces of argon gas with the Foam Spacer System.

ClimaTech Elite Extreme: Soft coat, multi-layer, vacuum deposition 340 Low-E glass, argon gas and Intercept Spacer System.

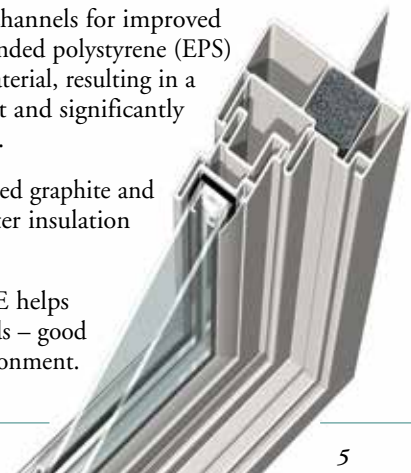
Energy HSG: High Solar Gain Low-E glass with argon gas and Intercept Spacer System.

Raising the Standard with iE Technology

Next-generation innovations. ClimaTech iE features carbonized foam liners in select mainframe channels for improved energy efficiency. iE features expanded polystyrene (EPS) with graphite added to the raw material, resulting in a carbonized foam that reflects heat and significantly improves insulation performance.

Highly efficient material. Integrated graphite and foam cell structure provides greater insulation capacity but uses less material.

Reduced energy consumption. iE helps lower heating and cooling demands – good for your fuel budget and the environment.



Picture and Fixed-Lite Windows / Specialty Shapes



Model A780 Picture Window**

	WIDTH	HEIGHT	U.I.
MINIMUM	10	10	
MAXIMUM	119.5	119.5	180

Unit Size is 1/2" smaller than Rough Opening

Fairfield 80 Series Picture Windows will lend a dramatic focal point to your room.



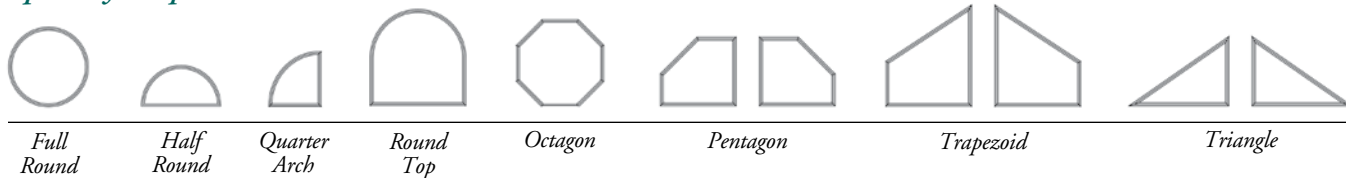
Large, beautiful picture windows expand your view without sacrificing comfort.

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 and create an upscale appearance.

- Fusion-welded mainframe eliminates potential leak points at sill corners for improved energy efficiency and easy water drainage.

- Multi-walled extrusions provide superb welding strength and structural integrity.
- 1 1/8" wide nailing fin is welded in all four corners to ensure weathertight performance.
- 1" thick insulated glass with warm-edge technology helps deliver year-round energy savings.
- Narrow sight-lines for a clear, expanded view.
- Combine specialty shape windows and fixed-lites for dramatic appeal.

Specialty Shapes



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 eliminate potential leak points at sill corners for improved energy efficiency and easy water drainage.
- Multi-walled extrusions provide superb welding strength and structural integrity.
- Integral pull handle for easy and convenient 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.

[†]Sashes on larger sliding windows may be difficult to lift out due to weight.



Sliding windows combine casual elegance with a strong, weathertight construction.



Optional PAL lock shown unlocked and locked.

Model A282 Sliding Window**

	WIDTH	HEIGHT	U.I.
MINIMUM	20	14.5	
MINIMUM	29.5	10.5	
MAXIMUM	96	72	144

Unit Size is 1/2" smaller than Rough Opening

Model A283 Sliding Window**

	WIDTH	HEIGHT	U.I.
MINIMUM	40	10.5	
MAXIMUM	120	72	192

Unit Size is 1/2" smaller than Rough Opening



Single-Hung Windows



Model A581 Single-Hung Window**

	WIDTH	HEIGHT	U.I.
MINIMUM	15	24	
MINIMUM	10.5	30	
MAXIMUM	53.5	95.5	144

Unit Size is 1/2" smaller than Rough Opening

With simplicity and ease, Fairfield 80 Series Single-Hung Windows will beautify and protect your home.

The traditional character and charm of the single-hung window will enhance any room of your home.



The classic elegance of single-hung windows complements a variety of architectural styles – from contemporary to rustic.

- Fusion-welded mainframe and sashes eliminate potential leak points at sill corners for improved energy efficiency and easy water drainage.
- Multi-walled extrusions provide superb welding strength and structural integrity.

- 1" thick insulated glass with warm-edge technology helps deliver year-round energy savings.
- Side load sash operates on two concealed, pre-calibrated sash balances.
- Integral lift rails ensure easy and convenient 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.

Optional PAL lock shown unlocked and locked.



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 enhance your window design and allow ventilation.

- 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.



Model A682 Casement Window**

	WIDTH	HEIGHT	U.I.
MINIMUM	14.5	17.5	
MAXIMUM	35.5	77.5	114

Unit Size is 1/2" smaller than Rough Opening



Totally revamp and enhance the look of any room with the addition of a casement window. They easily combine with fixed picture windows to let in the fresh breeze while keeping the weather out.

Awning Windows



Add a distinctive touch of style to your home with Awning Windows.

The unique design of the awning window is expertly crafted to impart a bold statement of style and dimension while allowing ample ventilation to any room.

- Fusion-welded mainframe and sashes eliminate potential leak points at sill corners for improved energy efficiency and easy water drainage.
- 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 offers added comfort.
- Combine with fixed lites to allow for convenient ventilation while creating increased visibility.
- Multiple lite configurations are available in a single mainframe.



Model A681 Awning Window**

	WIDTH	HEIGHT	U.I.
MINIMUM	17.5	11.5	
MAXIMUM	47.5	47.5	96

Unit Size is 1/2" smaller than Rough Opening

Sliding Patio Doors

With their pristine appearance, 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 strength and 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 insulated glass with warm-edge technology provides all-weather protection.
- Adjustable dual tandem roller system on a stainless steel track ensures easy operation.
- Keyed handle lock and foot lock options.
- Two-, three- and four-panel configurations available.



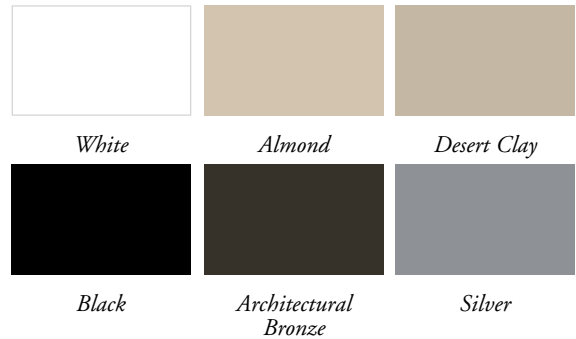
The clean-line design and large glass area of patio doors will infuse your home with the warmth and beauty of natural light.



Decorative Options

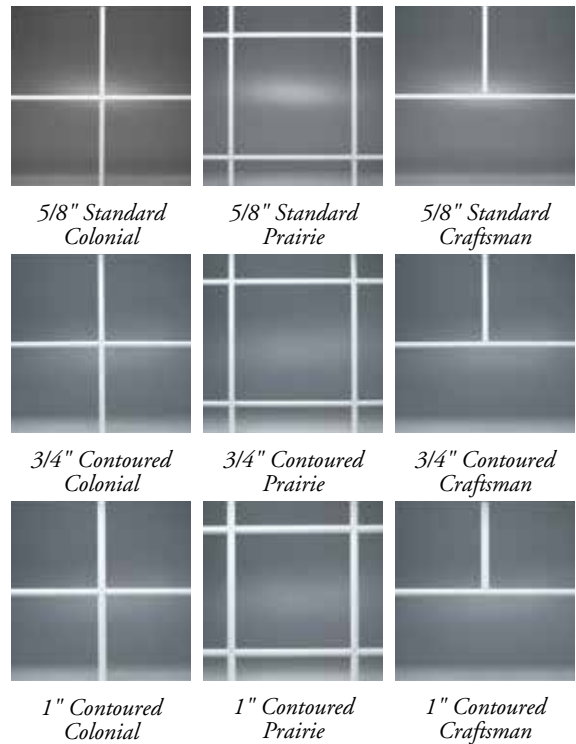
Colors.

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



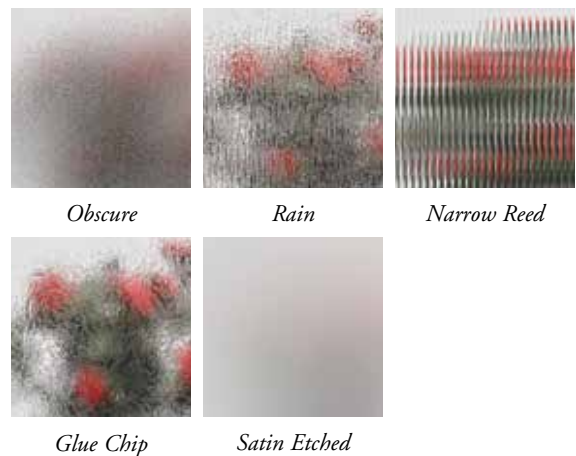
Interior grids.

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.



Obscure glass.

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



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[†]. . . one of the strongest in the industry.



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