

# Fairfield 80

*80 Series Fusion-Welded Vinyl Windows*

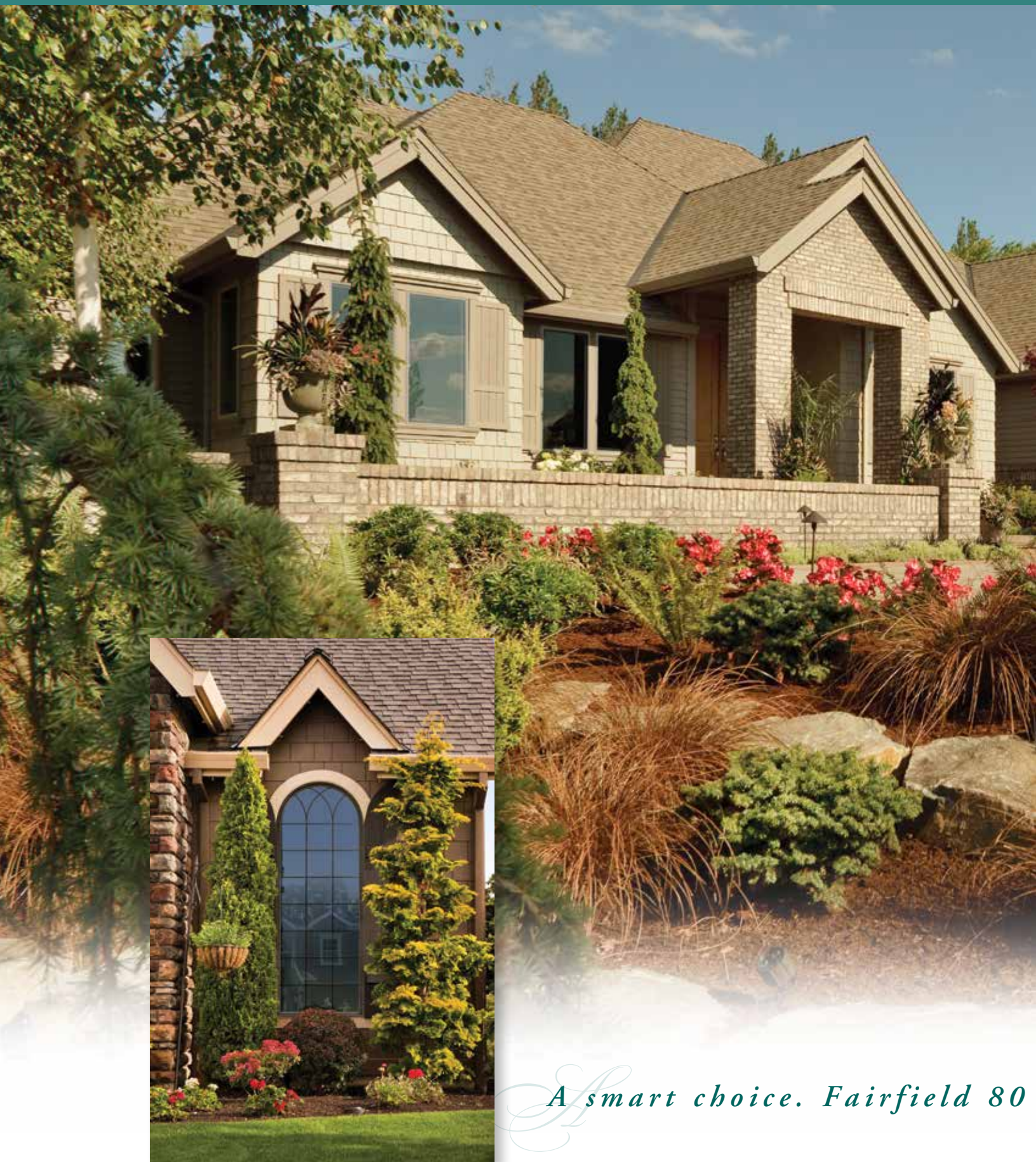


*Beautifully engineered –  
for exceptional style, strength and energy savings.*

**Alside®**



# *Innovations in Window Technology*



*A smart choice. Fairfield 80*





## *Designed for year-round energy conservation – 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 with less energy use. 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 energy-smart and weathertight, Alside Windows 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. The majority of all in-plant vinyl scrap is recycled into other useful products, further reducing the environmental impact of waste. As well, a principal component in the production of vinyl is salt,<sup>1</sup> a sustainable and abundant natural resource!



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MEMBER

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<sup>1</sup>The Vinyl Institute, [//vinylinfo.org/resources/diagrams-vinyl-resin-processing/](http://vinylinfo.org/resources/diagrams-vinyl-resin-processing/) (accessed 1-21-21).

*Series Windows.*

# 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 optimal air space improves year-round performance.
4. **Intercept® Warm-Edge Spacer System** helps block the transfer of heat and cold for reduced energy use.
5. **Interlock at sash locking rail** increases strength and reduces air infiltration.
6. **Metal reinforcement in the locking rail** increases rigidity and strength.
7. **Fully extruded dual lift rails** provide easy and convenient operation of the sash.
8. **Drop-in glazing** for added 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.



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



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*



# 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 optimize your windows. ClimaTech combines multi-layered, low-emissivity (Low-E) glass, argon gas† and the Intercept Warm-Edge Spacer System for improved energy efficiency compared to a standard clear glass unit. Low-E also reduces damaging UV rays that cause carpets and furnishings to fade.



*In summer months, Low-E glass filters the sun's rays and reduces heat penetration from solar energy.*



*In winter months, Low-E glass lets warm solar rays into your home, while preventing indoor heat from escaping.*

## 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 Comparison<sup>2</sup>

	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 <sup>3</sup>	0.24	0.28	0.23	0.28
ClimaTech TG2 Plus <sup>3</sup>	0.22	0.28	0.22	0.28
ClimaTech Elite Extreme <sup>3</sup>	0.31	0.14	0.31	0.14
Energy HSG <sup>3</sup>	0.33	0.53	0.33	0.53

<sup>2</sup>Whole window values / single-strength glass

<sup>3</sup>Whole 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.

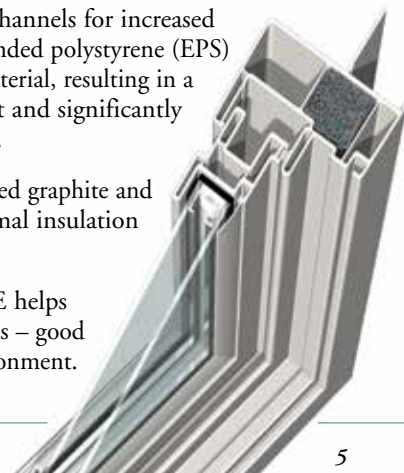
**Energy HSG:** High Solar Gain Low-E glass with argon gas and Intercept Spacer System.

## Raising the Standard with iE Technology

**Next-generation innovations.** ClimaTech iE features carbonized foam liners in select mainframe channels for increased 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 optimal 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.*



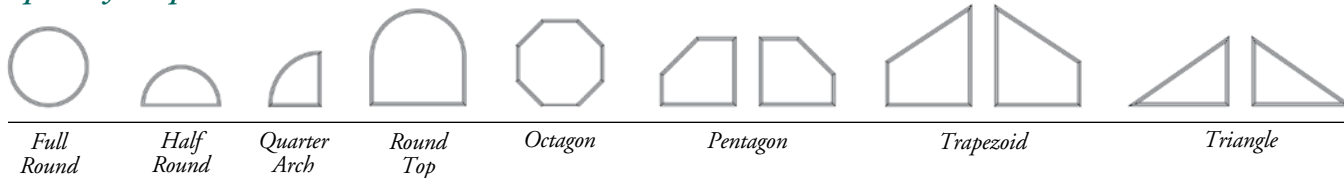
*Large, beautiful picture windows expand your view without sacrificing comfort.*

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.



*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



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

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

*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 increased energy efficiency.
- Full weatherstripping on the perimeter provides greater energy savings.

*Optional PAL lock shown unlocked and locked.*





# Casement Windows

*Fairfield 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.

- A smooth, easy-to-operate heavy-duty positive crank mechanism that eliminates the need to strain and force windows open.
- Stainless steel hardware that provides years of trouble-free hinge operation.
- An energy-efficient custom design with double compression bulb seal to protect against air and water infiltration.
- Multiple lite configurations are available in a single mainframe.
- A lifetime limited warranty\* that covers your investment from top to bottom.



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



*Optional butterfly handle.*

*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.
- 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



*Optional butterfly handle.*



# 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.
- 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.

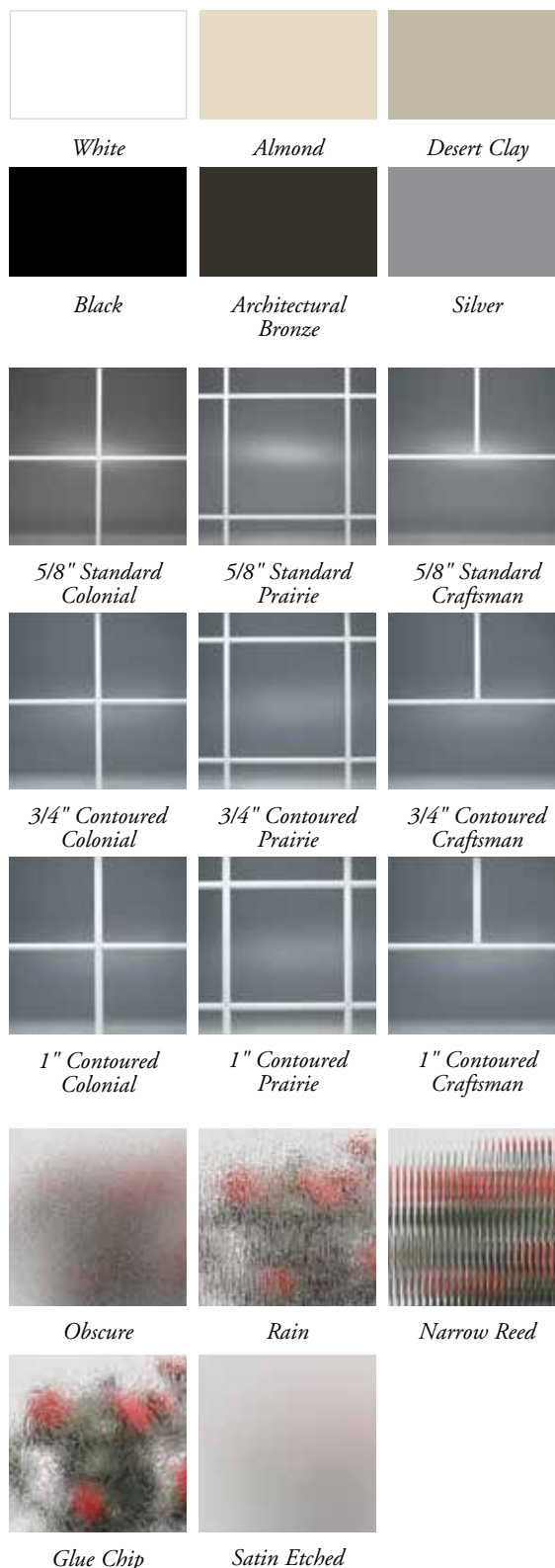
Decorative grids will lend style and dimension to your windows. Classic grids are available in white, almond and desert clay. All grid selections are offered in Colonial, Prairie and Craftsman patterns in a 5/8" standard flat grid, a 3/4" contoured grid and a 1" contoured grid.

## 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<sup>†</sup>. . . one of the strongest in the industry.



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