



CREATING YOUR HOME  
A WINDOW AND PATIO DOOR GUIDE



## The direct path to good decisions



When you're creating or updating your home, it may seem like you have to scale a mountain of decisions. From flooring to light fixtures, the plethora of choices can seem overwhelming. At JELD-WEN, we want the process of selecting our windows to be as hassle-free as our products themselves. This book will help you learn not only about the reliable windows and patio doors JELD-WEN makes, but also how you can use them to enhance your home. Providing this advice is as important to us as crafting enduring windows and patio doors. It's part of our commitment to giving you peace of mind, and of course, reliability for real life.



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RELIABILITY *for real life*®



## Initial considerations

Before you select a window material or type, there are a few things you should think about, such as where you live, the placement of your windows and local building codes. When you reflect upon these criteria, you'll be able to choose windows and patio doors that are best suited to your home.



## GENERAL SELECTION CRITERIA

### Climate

When selecting windows and patio doors, it's important to remember that every climate has its own benefits and challenges. Aluminum is appropriate in warm climates, where a high level of insulation isn't necessary. Vinyl is a durable material that requires minimal maintenance, offers a high level of insulation, and is appropriate for any climate. Wood with painted exteriors provides good insulation but requires regular maintenance. Therefore, be careful if you select wood windows for areas with either heavy precipitation or hot, direct sunlight. Wood with metal-clad exteriors is an excellent choice for most climates and weather conditions, because metal cladding has a very durable finish that requires minimal maintenance.

### Wall exposures

The placement of windows on certain walls can determine the kind of natural light admitted into your home, or even the performance of the windows. South- and east-facing windows bring in bright, golden light, north-facing windows usher in the cooler, muted light, and west-facing windows let in abundant direct sunlight, as well as the beauty of sunsets. Also consider that windows on south-, southwest-, southeast- or west-facing walls will require careful maintenance due to sun exposure. In addition to wall placement, you should choose the proper glass, which can help regulate temperature in a room (please see page 10 to learn more about glass options).

### Building codes

In certain areas, windows must fulfill building requirements or codes. For example, homes in regions prone to hurricanes or high winds must be able to withstand being hit with strong force. So JELD-WEN offers a range of windows and patio doors with impact-resistant glass to meet the most stringent codes.



## The right ingredients

Reliable JELD-WEN® windows and patio doors are offered in four materials: wood, clad-wood, vinyl and aluminum. Each type has its own advantages, and one may be more appropriate for your home and lifestyle than the others.



### Wood and Clad-Wood

Add visual warmth and elegance to your home with JELD-WEN® Wood windows and patio doors. These made-to-order windows feature detailed craftsmanship, and they're available with an abundance of options to meet your aesthetic requirements. Wood windows and patio doors with primed exteriors can be painted any color you choose, or enjoy the natural beauty of wood with solid pine AuraLast® wood using a stained or clear lacquer finish. Our clad-wood exteriors are an especially low-maintenance choice that will add character to your home with one of our many clad colors or copper finishes.



### Vinyl

Select JELD-WEN® Vinyl windows and patio doors for the perfect combination of durability, energy efficiency and affordability. Vinyl requires minimal maintenance, because it never needs to be painted or stained. JELD-WEN Vinyl windows and patio doors also feature our exclusive multichamber design, which greatly increases thermal efficiency. In addition to various performance benefits, these windows provide a very clean, streamlined appearance. They are supported by a limited lifetime warranty.



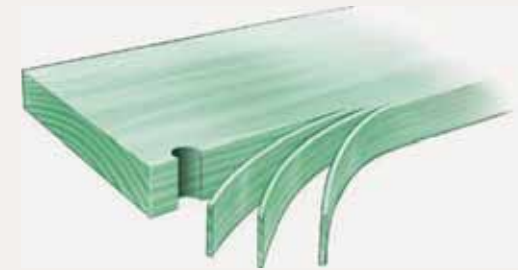
### Aluminum

JELD-WEN® Aluminum windows and patio doors are an attractive, long-lasting and virtually maintenance-free choice that will fit any budget. Strong and lightweight, these windows feature an extruded aluminum alloy frame and sash for durable performance. They're appropriate for warm, mild climates.



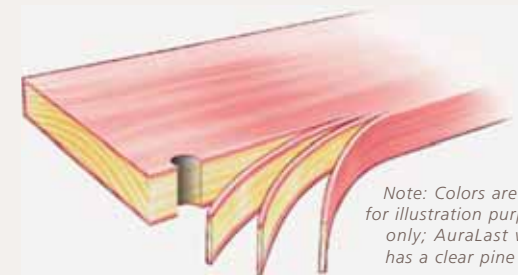
### AuraLast® wood

A unique vacuum/pressure process provides virtually 100% penetration of the protective ingredients—from the surface to the core.



### Dip-treated wood

Dip-treated wood has only surface protection.



*Note: Colors are used for illustration purposes only; AuraLast wood has a clear pine color.*

### WARRANTY

At JELD-WEN, we're confident of the durability AuraLast wood provides, which is why we offer a limited lifetime warranty on pine exterior door frames and components with AuraLast, and a 20-year warranty on pine wood windows and doors with AuraLast — against wood decay and/or termites.



Windows and Doors



Door Frame and Components

### JELD-WEN AuraLast The Worry-free Wood®

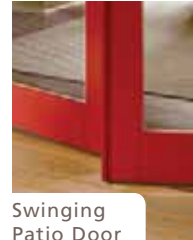
JELD-WEN® Pine wood windows, doors, exterior door frames and components are crafted from AuraLast wood, which has environmentally friendly aspects.

AuraLast wood offers reliable protection from wood decay, water saturation and termites. It also provides virtually 100% penetration of the protective ingredients to ensure that our wood windows, doors, exterior door frames and components remain beautiful and worry-free for many years to come.

\*For more information or complete warranty, see [www.jeld-wen.com/auralast](http://www.jeld-wen.com/auralast).

# Variety by design

JELD-WEN creates a range of window types to meet both your aesthetic and performance needs. We've included definitions of our windows to help you make the perfect choice for your home.



Swinging  
Patio Door



Slider



Sidelight



Garden



Bow



Single-Hung



Awning



Bay



Casement



Radius and  
Geometric



Double-Hung



Transom



Sliding Patio Door



### Awning

An awning window is appropriate for many architectural styles, and it looks intriguing when grouped with other window types. It is hinged at the top and opens out from the bottom in an upward swing.

### Bay

This type of window is ideal for traditional or Victorian architecture, and increases the sense of openness in any room. A bay window is composed of three or more individual units. The center unit is parallel to the exterior wall with side or flanking units aligned at 30- or 45-degree angles.



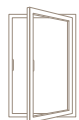
### Bow

A bow window subtly increases interior spaces by extending outward to create the illusion of a rounded exterior wall. A bow window consists of a series of four or more (commonly five) adjoining window units that are installed on a radius from the wall of the building.



### Casement

A casement window perfectly complements the simplicity of modern design, while also providing maximum ventilation. This type of window is hinged on either side so the sash opens outward, to the right or left, in a swinging motion. We also offer push out casements that operate with unobtrusive friction hinges for a particularly clean look.



### Double-Hung

This window is best suited to traditional architectural styles. Double-hung windows feature an upper and lower sash that slide vertically past each other in a single frame. In some cases, the sash tilt in for easy cleaning. We also offer a range of double-hung replacement windows, which are perfect for remodeling projects.



### Garden

With a garden window, you can add a little greenhouse to any room. This is a projecting, three-sided window that includes one shelf, a glass top and a single-hung window on each side for maximum air circulation.



### Radius and Geometric

Our radius and geometric windows let you showcase beautiful views and create intriguing arrangements with other window types. A geometric window has a shape with straight edges (e.g., rectangle or octagon), and a radius window has a circular or arched top shape.



### Sidelight

A sidelight brings a beautiful radiance to nearly any entry or patio door. It is simply a window installed on one or both sides of the door.



### Single-Hung

A single-hung window provides a classic appearance to any home. It features a stationary top sash and a bottom sash that slides vertically. We offer single-hung tilt windows with sash that tilt inside your home, as well as single-hung, side-load windows with removable sash. Both are designed for easy cleaning.



### Slider

Each of our slider windows features clean lines for a streamlined look. This type of window has one stationary sash and one sash that glides to the right or left horizontally in grooves or tracks.



### Sliding Patio Door

This type of door is perfect for nearly any patio or deck. It opens by sliding along horizontal tracks at the head and sill. Our sliding patio doors are available in two-, three- and four-panel designs.



### Swinging Patio Door

Add an element of drama to your home, on either a small or grand scale, with a swinging patio door. These doors are available with one, two or more panels that swing either out or in on side hinges. This includes French doors, which open in the middle with no center mullion.



### Transom

Bring additional visual interest to your home with a transom. This type of window is set above another window or a door. It can be either stationary or operational.

## Clear choices

We offer several glass options to ensure our windows and patio doors are reliably energy efficient and durable. In fact, we have a glass type to meet the performance demands of any climate.

JELD-WEN is dedicated to crafting windows that meet the requirements of the ENERGY STAR® program. Windows with the ENERGY STAR label exceed the minimum energy efficiency criteria for the climate region you live in, sometimes by as much as 40 percent. This means you'll enjoy decreased home energy costs.





### Low-E and LoE<sup>3</sup>-366 glass

Our standard high-performance Low-E insulating glass lowers energy costs, helps homes stay cooler in the summer and warmer in the winter, prevents fading of interior furnishings, and reduces condensation. It also delivers greater visible light transmittance than tinted glass. We also offer optional LoE<sup>3</sup>-366\* glass, which provides more protection against heat loss and fading, as well as greater energy savings. For more information, visit [www.jeld-wen.com/energyefficiency](http://www.jeld-wen.com/energyefficiency).



In warm weather, Low-E glass reflects the sun's energy and prevents it from entering the home.



In cold weather, Low-E glass reduces the amount of heat lost by reflecting it back inside.

### Insulating glass

Insulating glass consists of two panes of glass, sealed with an airspace. This glass offers outstanding thermal efficiency in most climates.

### Tinted and textured glass\*

Tinted glass reduces glare, and it's ideal for areas that get a lot of direct sunlight in the summer. Textured glass, such as Obscure, Rain or Glue Chip is also available; it lets light in while maintaining privacy.

### Neat<sup>®</sup> glass\*

With this glass option you gain natural cleaning convenience. By harnessing the sun's UV rays (even when the sky is cloudy) to loosen dirt from the glass, rainwater can easily rinse away grime. No manual activation is required. For more information, visit [www.jeld-wen.com/neatglass](http://www.jeld-wen.com/neatglass).

### ImpactGard<sup>®</sup> protection\*

Many of our windows and patio doors are available with ImpactGard protection, which is engineered and tested to stand up to the strong impacts of windborne debris, as well as the harsh conditions inherent to coastal areas. With the industry's leading laminated glass technology, products with ImpactGard protection can withstand a nine-pound piece of lumber striking the glass head-on at approximately 34 miles per hour. Additionally, it significantly reduces sound transmission, blocks up to 95% of harmful UV rays, enhances home security and comes with a 10-year warranty. For more information, visit [www.jeld-wen.com/impactgard](http://www.jeld-wen.com/impactgard).



\*Subject to regional availability. Contact your local JELD-WEN dealer for more information.

## Inspired by architecture

At JELD-WEN, we know that distinctive homes deserve accuracy in every detail. So we create windows, patio doors and design options with different architectural styles in mind, including Victorian, Craftsman, Old World, Colonial and Contemporary. With the high level of architectural authenticity we offer, our windows and patio doors are perfect for historic renovation—especially if a home must follow building codes designed to preserve its heritage.







## Distinctive craftsmanship

We believe that any home can be enhanced by the natural beauty of wood, so we offer wood windows and patio doors to satisfy different design and budget requirements. Additionally, we craft windows that are ideal for light commercial or historical renovation projects.



JELD-WEN® windows and patio doors are made with solid pine AuraLast® wood. They're supported by an industry-leading 20-year warranty\* against wood decay and/or termites.

\*For complete warranty, see [www.jeld-wen.com](http://www.jeld-wen.com).



### Custom Wood

Our Custom Wood windows and patio doors offer the greatest design flexibility. Whether you choose a standard design or create one of your own, it can be enhanced with a host of exquisite options. These options include 41 exterior clad colors with a commercial-grade 70% Kynar 500® finish and three copper clad finishes, a wide array of fine interior wood species and prefinishes, and historically accurate divided lites. For even more versatility we can match any color you choose with our Custom Color Match option.



### Sitaline EX Wood

Add style and visual substance to your home with our Sitaline EX Wood windows and patio doors. They're a competitively priced choice, and come with a selection of popular options that will enhance your home. You can count on each of these windows and patio doors to be as enduring as they are beautiful.



### Tradition Plus Wood

There are luxuries in life that are not tied to money. At JELD-WEN, we understand this idea, which is why we craft reliable Tradition Plus Wood windows and patio doors. Each one is designed to enhance your home with exceptional beauty and dependable performance at a great value. They are simply worry-free, which of course is the best luxury of all.



### Builders Clad-Wood

JELD-WEN makes Builders Clad-Wood windows to bring the beauty of wood within reach. In fact, they're designed to fit within any budget, as well as any architectural style. They're also built to remain durable and attractive for years. These windows are available in six versatile exterior clad colors with a range of divided lite options.

These collections offer the following styles: awning, bay, bow, casement, double-hung, geometric and radius, sidelight, slider and transom windows, and sliding and swinging patio doors. See which styles are available in each collection at [www.jeld-wen.com](http://www.jeld-wen.com).

# Appealing options



From divided lite patterns to alternate wood species, our wood window collections offer an abundance of decorative details. By simply selecting options that complement your home’s architecture and represent your design sensibilities, you can make our wood windows and patio doors your own.

## Exterior options

Superior beauty deserves to be accentuated, which is why JELD-WEN provides several options for the exteriors of our wood windows and patio doors. We offer a variety of metal clad options that will help protect your windows from the elements, enhancing your home’s appearance. You can choose from an industry-leading number of clad color and finish options. For added character, you have the option of choosing two different colors for your window (one for the frame, one for the sash). Distinctive copper cladding is also available for our Custom Wood windows and patio doors. What’s more, all our wood windows and patio doors can be accented with trim in several widths and styles.

Many exterior casing options are available.



### Standard metal clad colors



### Optional copper cladding for Custom Wood



Colors shown may not match our clad colors exactly.

Here are a few of the many hardware colors and options available.



### Optional wood species



Knotty Alder  
(optional interior)



Mahogany  
(optional interior and exterior)



Vertical-Grain Douglas Fir  
(optional interior and exterior)



Pine AuraLast® Wood standard  
(optional exterior)

Available only with Custom Wood windows and patio doors

### Interior options

When you're putting your home together, the details can make all the difference. JELD-WEN understands this, so we offer several hardware and finishing options for the interiors of our windows. These options include three alternate wood species (Knotty Alder, Mahogany and Vertical-Grain Douglas Fir), several prefinishes (a clear lacquer top coat, four acrylic whites and four stain colors), various hardware finishes, and interior trim for the radius (rounded) portion of a window or patio door.

### Divided lites

Divided lites are an intriguing architectural element. Our wood windows and patio doors are available with a wide range of divided lite options to meet your aesthetic preferences and lifestyle. These options include simulated divided lites (SDL) for an authentic look, full-surround wood grilles (FS) that can be removed for easy cleaning, and maintenance-free grilles between the glass (GBG).



Interior prefinish colors

Interior casing options





## Durably efficient

JELD-WEN® vinyl windows and patio doors offer strong, durable performance, and they're available in an array of beautiful styles. Our windows and patio doors are crafted to deliver superior energy efficiency, time after time.



### Premium Vinyl

For low-maintenance durability and generous design options, choose Premium Vinyl windows and patio doors. Each one is available with optional even sight lines that create a clean, architecturally accurate look. This allows them to be used seamlessly in combination with JELD-WEN® Wood windows. They also offer character-enhancing options that coordinate with any architectural style. And, with a DP 35 rating, these windows are appropriate for commercial applications.



### Builders Vinyl

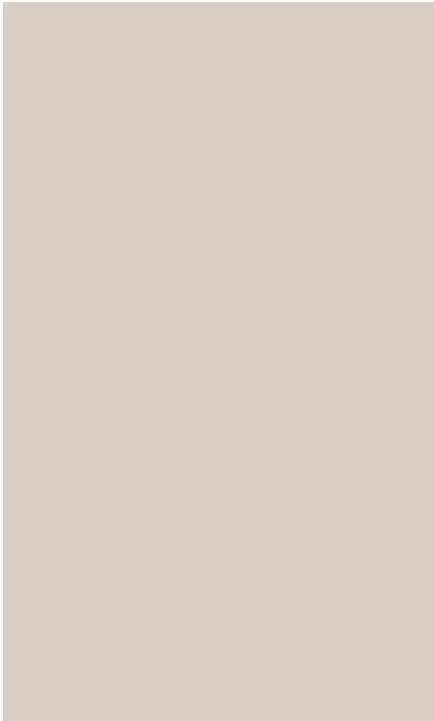
Builders Vinyl windows and patio doors are built to deliver steadfast durability and will fit any budget. They're available with a range of design options, and we offer plenty of replacement accessories to make replacing your old windows easier.



### Premium Vinyl RS

The Premium Vinyl RS Collection challenges the status quo of vinyl windows. This uncompromising collection of unique products stands alone in appearance, design flexibility and appeal. Able to complement any architectural style from vintage Victorian to cutting-edge Contemporary, these windows and patio doors are versatile, beautiful and built to last.

We offer the following styles: awning, bay, bow, casement, double-hung, fixed, radius and geometric, garden, single-hung and slider windows, and sliding and swinging patio doors. Some window types are regionally specific. See which styles are available in each collection at [www.jeld-wen.com](http://www.jeld-wen.com).



### Brickmould Vinyl

Bring the visual appeal of Georgian architecture home with Brickmould Vinyl windows. Their design includes integral brickmould profiles for the look of traditional wood windows. This feature also creates a look that's as clean as it is architecturally appropriate.



### Flat Casing Vinyl

With Flat Casing Vinyl windows and patio doors, the look of a traditional wood window casing is within reach. The exterior frame detail replicates the look of traditional wood casing for Colonial style homes. Each window features a sloped sill and three full sides of 3-1/2" casing for architectural accuracy; coordinating patio doors include flat casing on the sides of the frame. They can also greatly reduce the cost of exterior trim for new homes.



### Premium Atlantic Vinyl

Our Premium Atlantic Vinyl windows and patio doors provide you with the lasting durability you need and the aesthetic features you want. They're designed to be an architecturally accurate choice for your home, with many options including ImpactGard® protection for steadfast durability in areas prone to hurricanes.



### Windowmaster™ Vinyl

For a traditional look with solid energy efficiency or a streamlined design well-suited to more modern homes, Windowmaster Vinyl windows and patio doors are the ideal choice. Made with only the highest-quality extruded vinyl, these windows and patio doors will ensure low-maintenance durability and distinctive design options.

We offer the following styles: awning, bay, bow, casement, double-hung, fixed, radius and geometric, garden, single-hung and slider windows, and sliding and swinging patio doors. Some window types are regionally specific. See which styles are available in each collection at [www.jeld-wen.com](http://www.jeld-wen.com).

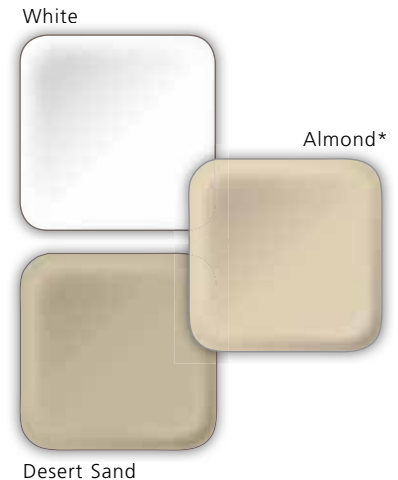


## Versatile selection

Vinyl windows and patio doors from JELD-WEN are more than practical solutions for your home. They're also designed to be elements that can enhance your home. We offer options that can increase both performance and aesthetic appeal.

### Standard Vinyl Frame Colors

We offer three versatile shades that will complement many popular trim and exterior house paint colors: White and optional Desert Sand or Almond. Whichever color you select, know that it will remain vivid and true year after year.



### EverTone™ Exterior Finish Colors\*\*

EverTone is our new exterior paint finishing process available in eight standard colors for Premium Vinyl windows. The EverTone finish results in a coating that provides exceptional heat reflection and unparalleled color and gloss retention. Because this process is water-based, the VOCs are extremely low and comply with environmental impact standards. This finish carries a 10-year warranty.



*Actual colors may vary from the samples displayed.*

*\*Subject to regional availability.  
 \*\*Not available in all vinyl product lines  
 Contact your local JELD-WEN dealer for more information.*

### Divided lites

We offer two divided lite options: simulated divided lites (SDL)\* and grilles between the glass (GBG). These options come with various grille widths and profiles to meet your aesthetic requirements.



Simulated divided lites (SDL)

Flat grille



We offer two internal grille options. Flat grilles feature a clean look, and contour grilles offer added character.



Contour grille

### Nesting handle

This elegant nesting handle and cover won't interfere with window treatments. The handle also ensures easy, worry-free operation—even for large casement windows.



Nesting handle for casement and awning windows

### WEN-Lock®

The WEN-Lock is our exclusive automatic locking system, available on Builders and Brickmould vinyl windows. It features a tamper-resistant design that passes forced-entry resistance tests. It's also easy to engage or disengage, and it has a visible latch indicator (VLI) that lets you know at a glance if the window is locked. For your security, the VLI can be seen only inside the home. The WEN-Lock is available for our vinyl single-hung and horizontal sliding windows only.



Locked



Unlocked



### MAG-Lock®

With MAG-Lock, our Premium Vinyl single-hung and sliding windows are more secure and easier to use. MAG-Lock automatically locks the window, and it only activates when the mechanism is in front of the keeper and the keeper magnet draws in the bolt—creating an audible click. The integrated, ergonomic pull handle makes it easy to unlock and open the window in one movement. For added security, the lock indicator is only viewable from inside the home.



\*SDL not available for Builders or Windowmaster™ Vinyl. Subject to regional availability. Contact your local JELD-WEN dealer for more information.

## Affordable aesthetics

We offer aluminum windows and patio doors to meet different performance and budget requirements. Both collections offer products that are designed to be as energy efficient as they are affordable. They're also a low-maintenance choice that's ideal for moderate climates. Versatile frame colors and divided lite options are available.



### Premium Atlantic Aluminum

The windows and patio doors in this collection are built to be exceptionally durable, and they're available with more options. Select either simulated divided lites or grilles between the glass for greater visual appeal; and choose optional ImpactGard® protection for impact resistance to windborne debris.



### Builders Aluminum

These hardworking windows are made to consistently resist rust and mildew, and their corner key construction provides strength. Color options include White, Bronze and Almond. Grilles between the glass are also available. Additionally, we offer a Builders Florida Aluminum collection for homeowners in Florida.



### Premium Aluminum

This collection features durable windows and patio doors with ample design options. Two standard colors (White and Desert Sand) and 13 optional colors are available, or as a distinctive option choose our Custom Color Matching for any color you like. Divided lite options include simulated divided lites and grilles between the glass.



### Divided lites

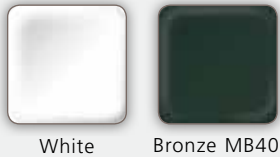
Our aluminum windows and patio doors are available with divided lite options for added visual interest. A range of profiles and patterns is available.

### Corner key

Builders Aluminum windows feature our patented silicone-injected corner keys, which add strength to frame corners. The corner keys also ensure weathertightness.



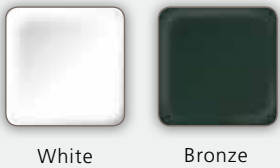
Standard colors for Premium Atlantic and Builders Florida Aluminum



Standard colors for Premium Aluminum



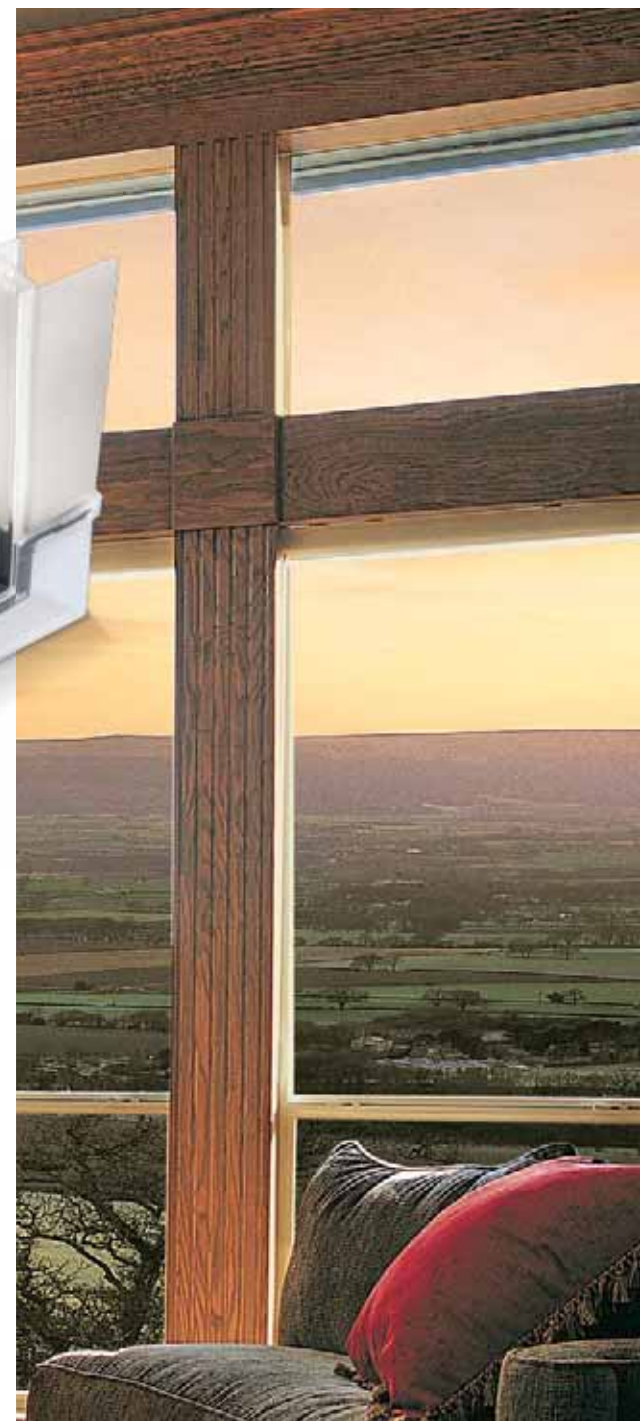
Standard colors for Builders Aluminum



Optional colors for Premium Aluminum



*Actual colors may vary from the samples displayed.*



We offer the following styles: awning, bay, casement, double-hung, fixed, radius and geometric, rolling, single-hung and slider windows, and sliding patio doors. Some window types are regionally specific. See which styles are available in each collection at [www.jeld-wen.com](http://www.jeld-wen.com).

## Windows without worries

Years from now, you may not be able to remember the precise moment you chose your JELD-WEN® windows and patio doors, but there is one thing you will remember: our promise of reliability. This promise will remain clear because all our windows and patio doors are designed to fulfill it. We craft them to be exceptionally energy efficient, secure, durable, and of course, worry-free.

You'll find this level of reliability in other JELD-WEN products, too. From our architecturally accurate exterior doors to our interior doors that reduce sound transmission, you can count on us for steadfast performance that stands up to everyday living.

If you'd like to obtain JELD-WEN windows and patio doors, please contact your nearest dealer. To locate a dealer, visit [www.jeld-wen.com](http://www.jeld-wen.com).





### Warranty information

JELD-WEN windows and patio doors are supported by excellent warranties. We invite you to learn more about these warranties, as well as care, maintenance and installation, at our website, [www.jeld-wen.com/resources](http://www.jeld-wen.com/resources).



The JELD-WEN website is your ultimate resource for learning about our reliable windows and doors. It has all the product information and design advice you need. Visit us at [www.jeld-wen.com](http://www.jeld-wen.com) today.

**RELIABILITY** *for real life*®



Official window, door and millwork provider of the PGA TOUR and Champions Tour

**JELD-WEN**  
WINDOWS & DOORS



JELD-WEN is proud to support a better way to build

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JELD-WEN reserves the right to change product specifications without notice. Please check our website, [www.jeld-wen.com](http://www.jeld-wen.com), for current information.

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