

RELIABILITY for real life®





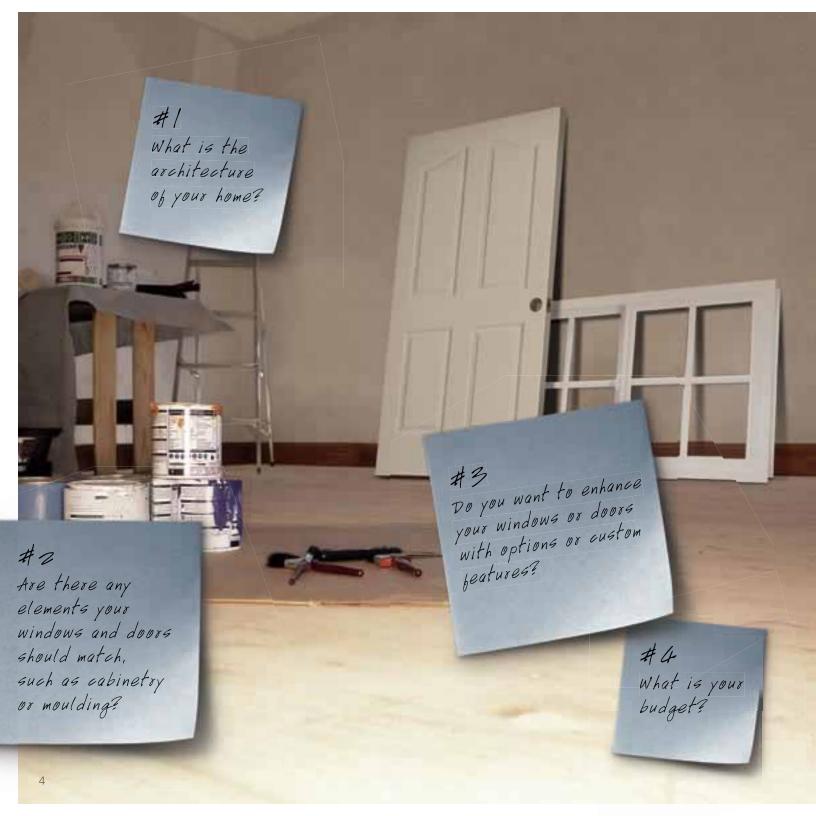


Remodeling is all about turning the house you have into the home you want. That's why the process can be so exciting and inspiring—especially if you're prepared and knowledgeable about it. Enter JELD-WEN. We can help you plan for your project. We've included remodeling-specific information in this window and door guide to help you make educated decisions and avoid potential hassles. In this guide, you'll also see how our reliable windows and doors can enhance the performance and visual appeal of your home. Each one is designed to deliver peace of mind, and of course, reliability for real life.

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NOTE: Variances in photography and printing may cause finish colors shown in this catalog to vary from actual finish.



Let the improvements begin

Considerations and tips

When choosing windows and doors for your remodeling project, it's helpful to ask yourself some specific questions that can clarify the features you want and the requirements your selection must meet. That's why we've provided a few things for you to consider during the planning stages of your project.

What is the architecture of your home (e.g., traditional, contemporary, Old World or Craftsman)?

Question 1

JELD-WEN creates a variety of designs and options to enhance and complement any architectural style. For example, windows with simulated divided lites (SDL) are appropriate for traditional styles, whereas windows without any divided lites appear more modern. Arched doors and windows, doors with vertical planked designs, and doors with metal straps and clavos all add to the charm of Old World homes, while Craftsman homes often call for windows and doors with clean lines and simple profiles.

Are there any items your windows and doors should match, such as cabinetry or moulding?

Question 2

You can stain the interior of your entry doors, wood windows and interior doors to match your moulding and millwork for a unified look in your home. To help achieve optimal design consistency, select JELD-WEN® windows and doors with matching wood species.

Do you want to enhance your windows or doors with options or custom features?

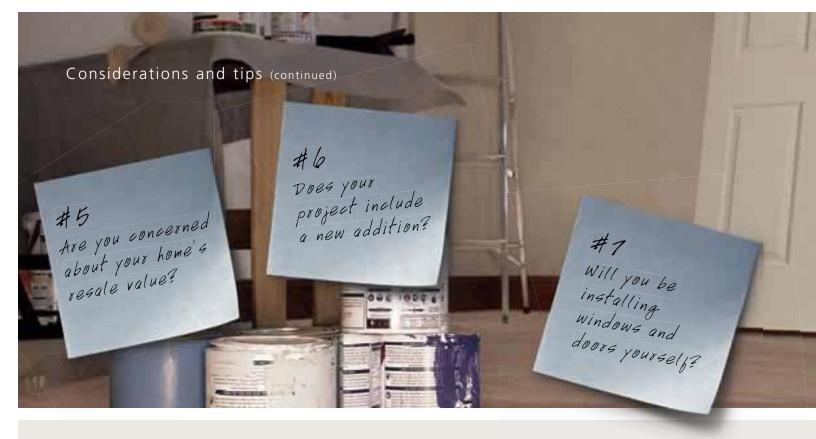
Question 3

Choosing options for your windows and doors helps you personalize them, and taking advantage of custom capabilities lets you achieve a truly one-of-a-kind look. JELD-WEN provides a vast array of options, from color finishes and divided lite patterns for windows to decorative glass and metal accents for exterior doors. We can also create custom wood windows, wood exterior doors and custom carved medium density fiberboard (MDF) interior doors in nearly any design you have in mind.

What is your budget?

Question 4

There's a window and door for any budget, and costs can vary greatly depending on size, material type and options. For exterior doors, prices are generally lowest for steel doors, followed by composite, and wood or custom fiberglass are the most expensive. In terms of windows, aluminum is the most affordable, then vinyl, and finally metal-clad-wood. However, remember that overall value should be considered, rather than the price alone. For example, when you invest in our ENERGY STAR® qualified windows and doors, you'll be rewarded with potential tax credits and reduced heating and cooling bills. In fact, on an average home you can save between \$150 and \$340* annually by replacing single-pane windows with dual-pane ENERGY STAR qualified windows.



Are you concerned about your home's resale value?

Question 5

If you're planning to sell your home, you can considerably increase your home's resale value by replacing your windows and doors. For instance, selecting a new JELD-WEN* Premium Wood exterior door with coordinating sidelights can raise your home's perceived value. On average, you can also recover over 100 percent of your costs over time with new, energy efficient windows, such as those with Low-E glass.*

Does your project include a new addition?

Question 6

Generally, remodeling is defined as a project that involves changing an existing space within your home. Additions, which involve adding one or more new spaces, are more like new construction, and they offer greater size and architectural flexibility. In either case, you can count on JELD-WEN to meet your needs. All our windows and doors are appropriate for additions, and we offer a wide range of products specifically for remodeling projects, such as our double-hung replacement kits.

Will you be installing windows and doors yourself?

Question 7

If you're replacing windows and doors yourself, it's crucial to obtain the correct measurements so you can choose products that are the right size. JELD-WEN can guide you through this process, as well as installation. On the following page, we've provided an overview about measuring and installation. For complete information and instructions, visit www.jeld-wen.com/resources.

Starting out smart

Window and door measuring and installation overview

Window measurements

Before selecting your windows, take a few measurements (as outlined below) to ensure the proper fit. When you're ready to install JELD-WEN* windows, please refer to the installation instructions on the window label, or visit www.jeld-wen.com/resources.

The four basic steps

1. Determine if the rough opening or existing window frames are square, level and plumb. If they are not, contact a professional to make corrections. (See Fig. 1.)

Square: Measure the diagonals of the window opening. Measurements must be within 1/4" for windows greater than 20 sq. ft. (e.g., 4' x 5'). For windows equal to or smaller than 20 sq. ft., measurements must be within 1/8".

Level and plumb: First, place a level against the window opening jambs. Then determine if the plane of the window is vertical (plumb) by measuring the edge of the jamb, rather than the inside surface of the jamb. The opening cannot be more than 1/8" out-of-level or plumb.

- 2. Take three measurements for both height and width. (See worksheet and Fig. 2 to the right.) If you're installing replacement sash for double-hung windows, also use an angle finder (available at most hardware stores) to verify the sill angle is the standard 14°. If not, you must specify the angle when ordering.
- 3. Report the smallest measurement when ordering. Please note, all three measurements should be within 1/8". If not, contact a professional to determine how to correct.
- 4. For wood replacement windows include a jamb depth measurement.

Angle finder

Installing new doors: slabs vs. prehung

If the door frames in your home are still in good condition, all you may need to replace are the door slabs (or blanks). However, if the frames are worn or rotting, choose prehung door systems, which come with hinges and are pre-bored for a standard lockset. Prehung doors are also easier to install. Please refer to the general installation tips below.

Door slabs

- Measure your current door slab or door opening dimensions.
- Order a JELD-WEN door slab that matches these dimensions (NOTE: Wood door slabs can be trimmed 1/4" on each side, 1/2" on top and 1/2" on bottom to fit the dimensions of your current door frame).
- You may also need to prep the door for hinges and hardware, mortising the edge for hinges and boring the door for the lockset.

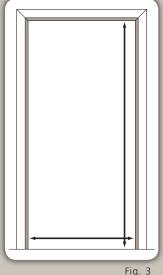
Prehung door measurements

Door jamb width:

- Measure width of existing door jamb between the inside edges of the casing. (See Fig. 3.)
- Add 1/2" to 3/4".
- Report the measurement here:

Door jamb height:

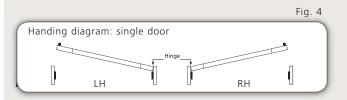
- Measure height of existing door jamb between the inside edges of the casing. (See Fig. 3.)
- Add 1/2".
- Report the measurement here: ____



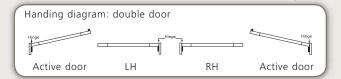
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Prehung door systems

- Measure the height and width of the existing door jamb (see worksheet to the right), or the rough opening between the wall studs.
- Measure the thickness of the wall to determine the frame width needed.
- Select the JELD-WEN® prehung door that best fits your measurements.



- Determine the door handing you need. Door handing refers to the swing of the door. Prehung doors are specified as left-hand or right-hand doors which designates hinging and the swing of the door. (See Fig. 4 and 5.)
- To determine the door's swing (left or right), face the closed door from the outside (the side where the hinges cannot be seen). Then open the door. If the door swings away from you to your left, it is a left-hand swing door.
 If the door swings away from you to the right, it is a right-hand swing door.



Additional measuring and installation instructions for JELD-WEN® doors can be found under this flap.

Getting the measurements right

To ensure your new windows are weathertight, it's crucial to obtain the correct measurements. Therefore, you may want to consider professional assistance.

For additions/new construction:

- Measure width and height of rough opening 6" from each corner and at the center.
- Report the smallest measurement here: ______
 (This is your rough opening size.)

For replacement (fully removing an existing window):

- Measure width and height from the outside frame edge to outside frame edge, 6" from each corner and at the center. (NOTE: If the existing frame has a sloping sill, seek professional assistance or call JELD-WEN customer service at 800.JELD-WEN.)
- Report the smallest measurement here: ______
 (This is your rough opening size.)

For replacement (installing a window in an existing frame):

- Measure width and height of existing rough opening
 6" from each corner and at the center.
- Report the smallest measurement here: ______
 (This is your rough opening size.)

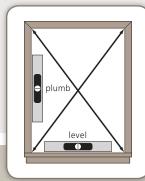




Fig. 1

Fig. 2

Ensuring endurance

Maintenance factors

Climate

It's important to remember that every climate has its own benefits and challenges. Climate is also a deciding factor in how much maintenance your windows and doors will require. We've provided the following chart to help you select appropriate products for your climate.

PRODUCT TYPE	OPTIMAL CLIMATE	MAINTENANCE LEVEL
Wood windows and patio doors*	Temperate climates	Moderate maintenance
Metal-clad-wood windows and patio doors*	Most climates	Minimal maintenance
Vinyl windows and patio doors	Any climate	Virtually no maintenance
Custom Wood exterior doors	Temperate climates (appropriate overhang required)	Moderate maintenance
Fiberglass exterior doors	Any climate (excellent for coastal and desert areas or in extreme conditions)	Virtually no maintenance
Premium Wood exterior doors*	Temperate climates (appropriate overhang required)	Moderate maintenance * JELD-WEN
Composite exterior doors	Any climate	Minimal maintenance and doors AuraLast™
Steel exterior doors	Most climates	Minimal maintenance less maint

JELD-WEN wood windows and doors made from AuraLast" wood require less maintenance, which means they're appropriate for more climates. To learn more about AuraLast wood, see page 10.



Energy efficiency

JELD-WEN® wood windows and Courtyard Collection steel exterior doors come standard with energy efficient Low-E glass that helps you save money on your heating and cooling bills and reduces fading due to UV exposure. Low-E glass is also an affordable option for JELD-WEN vinyl and aluminum windows and Premium Wood doors. With the proper glass options, your JELD-WEN windows and doors will meet ENERGY STAR® requirements. JELD-WEN has been an ENERGY STAR partner since 1998, and was honored as a 2003 ENERGY STAR "Partner of the Year."





Low-E glass helps keep homes cool in the summer and warm in winter and reduces energy costs.

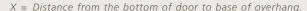
Exposures: windows and patio doors

The placement of windows and patio doors on certain walls can determine the kind of natural light that enters into your home, or even the temperature inside your home. South- and east-facing windows bring in bright, golden light. North-facing windows usher in cooler, muted light. And west-facing windows let in abundant direct sunlight, as well as the beauty of sunsets. Consider that windows on south-, southwest-, southeast- or west-facing walls may be more susceptible to heat gain.



Exposures: exterior doors

For exterior doors, it's imperative to consider exposure if you select a wood door. To adequately protect the door and extend its life, you'll have to take into account your climate and the direction the door will be facing. Then you must determine the amount of overhang needed to protect the door from the elements, which can be obtained by following a simple formula: Y=1/2X (in most cases). For example, if the measurement from the base of your door to the bottom of your overhang is ten feet, then the overhang should be a minimum of five feet deep.



Y = The amount of overhang protection required.





In contrast, clear glass has low resistance to heat flow.

Building codes

Building codes are published ordinances that will regulate many aspects of your project, such as design loads, opening widths and material selection. JELD-WEN windows and doors are designed and tested with these local building codes in mind. Many of our products even meet the toughest standards for hurricane-prone regions in the United States, including Miami-Dade and Broward counties in Florida, as well as Texas and North Carolina.

Our reliable innovations Notable features

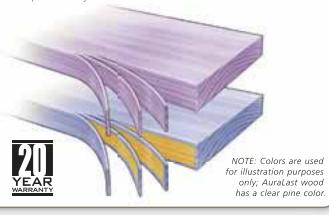
AuraLast™ wood

JELD-WEN* wood windows and doors in pine are made from AuraLast wood, which provides superior protection against wood decay, water absorption and termite infestation and is supported by a 20-year warranty. To learn more and see complete AuraLast wood product warranties, visit www.jeld-wen.com/auralast.

AuraLast wood products include:

- Wood windows and patio doors (pine only)
- Premium Wood exterior doors (pine only)

AuraLast wood (shown in purple) provides virtually 100 percent penetration of the protective ingredients—from the surface to the core. In contrast, dip-treated wood (shown in blue) is protected on the surface only, so its effectiveness will be compromised by most installation methods.







JELD-WEN wood windows and doors made with AuraLast wood have earned the Good Housekeeping Seal.

At JELD-WEN, we always look for new ways to be reliable. This research leads us to create new processes and features that ensure our windows and doors deliver better performance over a longer period of time. In addition to the information here, you can learn about new products and features at **www.jeld-wen.com**.

Fiberglass

IWP® Aurora™ Custom Fiberglass entry systems, which include both doors and door frames, will durably perform in the harshest climates, weather and temperatures. These doors are designed to reduce warping, rotting, cracking and splitting, which means they require virtually no maintenance. An added benefit is that the entry system is designed to emulate the look and feel of real hardwood. With these benefits, it's no surprise that fiberglass is the fastest-growing segment of the exterior door market.

This illustration shows the construction of our IWP Aurora Custom Fiberglass entry system with composite jamb, an impact-tested system.

These doors are designed to emulate both the look and feel of real wood.



Attractive choices

Window styles

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



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 from the bottom in an outward 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. It 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.

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. Many double-hung windows feature sash that tilt in for convenient cleaning. We also offer a range of double-hung replacement windows, which are perfect for remodeling projects.

Styles are subject to regional availability. See your local JELD-WEN dealer for more information.



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Awning





Geometric and Radius

This type of window allows you to showcase beautiful views and create intriguing window arrangements with other window types. It has a fixed (non-operative) sash and it's available in a variety of shapes and sizes. Please note, this style may also be referred to as *custom picture*.

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 slides to the right or left horizontally in grooves or tracks. Please note, this style may also be referred to as *horizontal sliding* or *horizontal gliding*.

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/or 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.

Styles are subject to regional availability. See your local JELD-WEN dealer for more information.

Custom Wood

Windows and patio doors

Custom Wood windows and patio doors offer the greatest design flexibility and number of options. To see a complete product gallery and more information about these windows and patio doors, please visit **www.jeld-wen.com**.

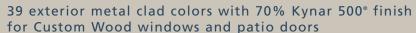




For the most authentic divided lite appearance, select our simulated divided lites (SDL). They include detailed interior wood bars, metal shadow bars placed between the panes of insulating glass, and exterior metal bars that are permanently attached to the exterior glass. A range of widths and profile options is available.

Available divided lite styles

- Simulated divided lites (SDL)
- Grilles between the glass (GBG)
- Full-surround wood grilles (FS) for interior glass only











Premium Wood

Windows and patio doors

Premium Wood includes wood and clad-wood windows and patio doors in a range of refined designs. Each one also provides durable, energy efficient performance. See all the available product styles and learn more about this collection at **www.jeld-wen.com**.



Builders Clad-Wood

Windows

Our Builders Clad-Wood windows feature products that bring the radiance of wood into your home without going over your budget. To view product styles and learn more, visit **www.jeld-wen.com**.



Premium Vinyl

Windows

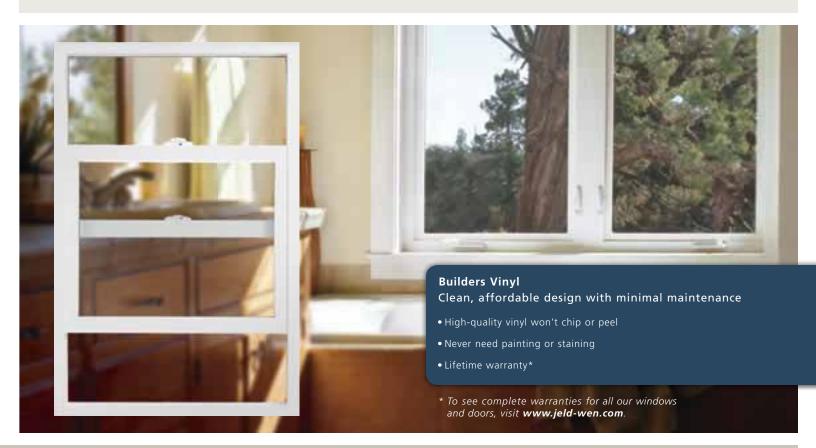
Windows in this collection offer many design options, including equal sight lines and simulated divided lites (SDL) for a clean, architecturally accurate look. To see a complete product gallery and more information, please visit **www.jeld-wen.com**.



Builders Vinyl

Windows and patio doors

This collection includes an extensive range of vinyl windows and patio doors. Each one is built to be energy efficient and low-maintenance. See the full product gallery and learn more at **www.jeld-wen.com**.



Remodeling-specific frame options for Builders Vinyl and Premium Vinyl windows:

- Flush fin window creates clean external lines and is easy to install
- Block frame fits into existing window frames for quick and easy installation





Custom exterior doors

JELD-WEN crafts custom exterior doors that will beautifully enhance any entrance. To see a complete product gallery and learn more about our Custom Wood and Custom Fiberglass exterior doors, please visit www.jeld-wen.com.

IWP® Aurora® Custom Fiberglass exterior door systems Grand entrances that are a breeze to maintain

- Engineered to withstand the harshest climates
- Designed to emulate real wood, down to the knots and cracks
- A variety of architecturally inspired door designs
- Many woodgrain textures and prefinish colors
- Optional decorative metal accents
- Available prefinished and prehung

A sampling of IWP Aurora woodgrain texture and prefinish color options



Eggshell

Khaki

Cobalt



Ivory

(paint)

A sampling of IWP Custom hardwood species and finish color options



Mahogany (wheat)



Cherry



Oak (clear)





Ebony

Ebony



White Wash



Walnut (clear)



Chappo



Cherry (clear)



Finish colors

Cherry



Select IWP decorative glass options

Wheat

DOOR:

IWP® Custom Wood exterior door systems Handcrafted designs with the richness of wood

- Crafted from elegant hardwoods
- Custom capabilities for one-of-a-kind designs
- Abundant designs matching different architectural styles
- Many hardwood species, finish textures, stain colors and decorative glass designs
- Available prefinished and prehung

Clear Alder (clear)



Chappo



Merlot









Wheat

Decorative accents







Seville Speakeasy Bordeaux Speakeasy Speakeasy Door



Rust Patina



Grille, Dark Patina Hinges and Latch,



Clavos, Dark Patina







C glass







LG glass

Q glass



Rustic Speakeasy Grille, Dark Patina



Grille, Dark Patina



1" Diamond Clavos.

Corner Strap,

Dark Patina



1-3/4" Diamond



Clavos, Dark Patina



Dark Patina





1" Round Clavos,

Rust Patina

Radius Strap, Dark Patina

Sidelight grilles



Seville Grille



Rustic Grille

Tuscany Grille



Premium exterior doors

Our Premium Wood exterior doors are perfectly warm and welcoming. Many designs are available, so you're sure to find one that's right for your home. To see a complete product gallery and learn more, please visit www.jeld-wen.com.

Premium Wood door species



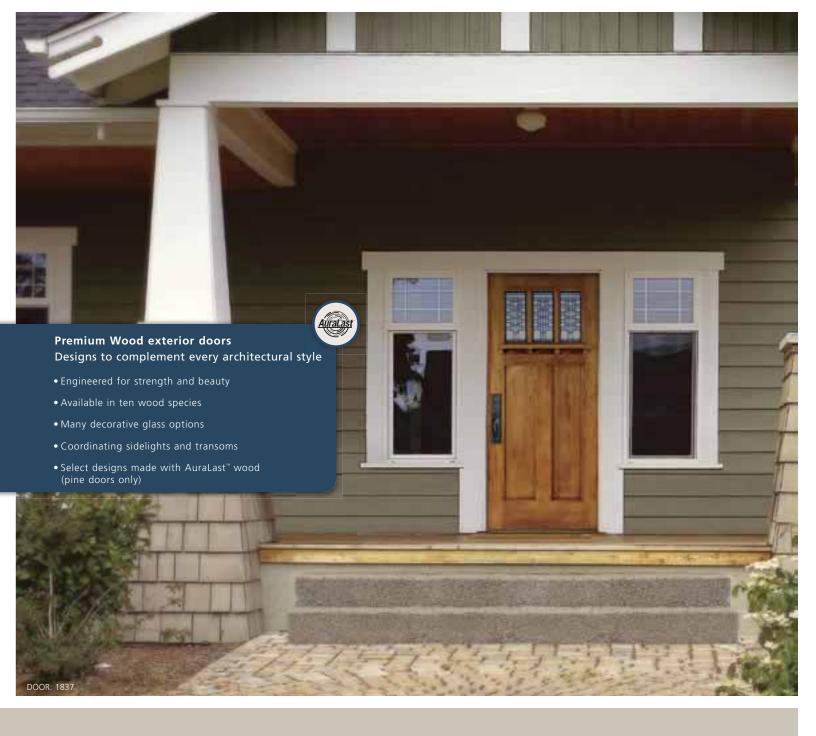
Poplar



Clear and Knotty Pine

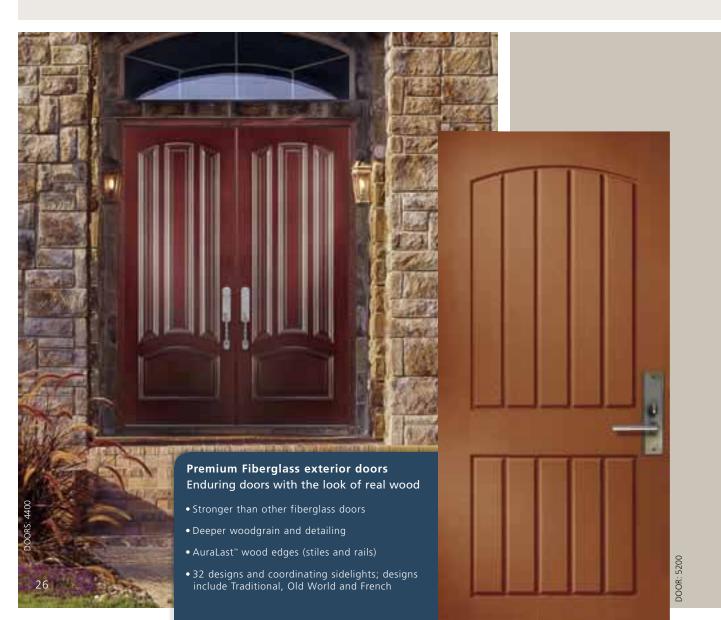
Craftsman decorative glass options

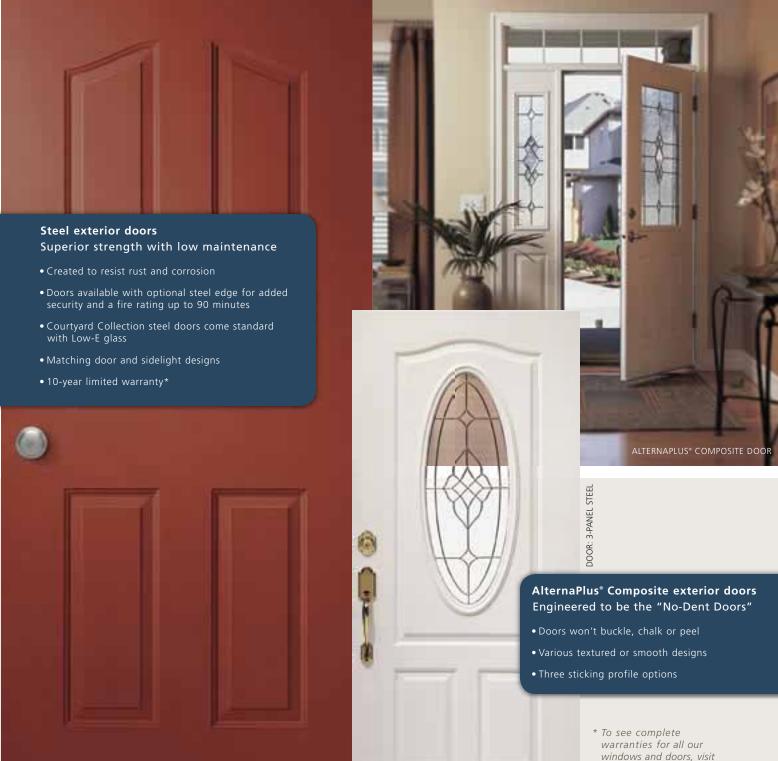




Additional exterior doors

Whatever your requirements are, JELD-WEN makes a wide range of durable exterior doors to meet your needs. View all the designs and learn more about these strong doors at **www.jeld-wen.com**.





www.jeld-wen.com.

Custom interior doors

Each one of our custom interior doors is created to bring the visual warmth of wood into any room, while completing your home's architectural details. To see a complete product gallery and learn more, please visit www.jeld-wen.com.

A sampling of IWP Custom Wood species and finishes



(clear)

Finish colors











Cherry

DOOR: C5100

IWP® Custom Wood interior doors Unique designs crafted from the finest wood

- Architecturally inspired collections
- Numerous wood species and finish colors
- Various panel and sticking profiles
- Available prehung and prefinished

IWP Custom Wood decorative accents



1" Diamond Clavos. 1-3/4" Diamond Dark Patina



Clavos, Dark Patina



1" Round Clavos. Rust Patina



Clavos, Dark Patina



Corner Strap,



Dark Patina



A sampling of IWP Custom Wood glass options







*To see complete warranties for all our windows and doors, visit www.jeld-wen.com.

DOOR: EO500

Custom Carved styles







Custom Carved interior doors Unique elements to complement many styles

- 70 standard carved door designs
- One-of-a-kind custom designs available
- Solid core reduces sound transmission
- An industry-leading 5-year warranty*

For additional custom carved styles, visit www.jeld-wen.com.

Premium interior doors

We craft Premium Wood interior doors that are as aesthetically pleasing as they are functional. In fact, a wide range of intriguing designs are available. To see a complete product gallery and learn more, please visit www.jeld-wen.com.

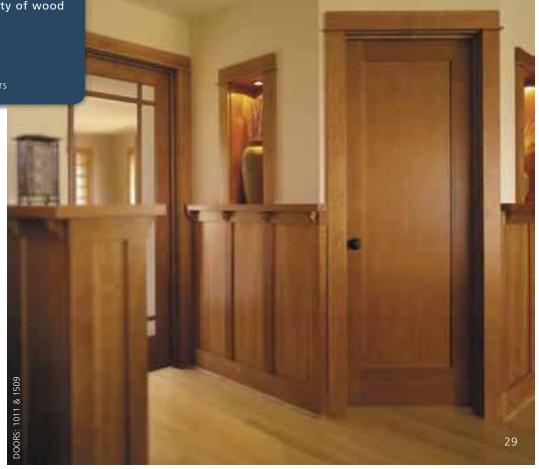




Premium Wood interior doorsCraftsmanship showcasing the beauty of wood

- Available in ten wood species
- An extensive selection of door designs, including passage, louver and bifolds
- Nine distinctive glass types for French doors





Additional interior doors

JELD-WEN offers the broadest range of molded door designs, as well as many wood-like flush door finishes. View the designs and learn more about all these doors at www.jeld-wen.com.

Flush interior doors Clean design with a wood-like appearance

- Various hardwood and wood-like finishes
- Solid core options, plus fire-rated designs
- ProCore The Quiet Door solid core option reduces sound transmission
- An industry-leading 5-year warranty*

A sampling of unfinished hardwood and prefinished hardboard finishes











Rirch



Core options

Our molded and flush interior doors are available with ProCore The Quiet Door® construction. This core reduces the transmission of sound by up to 50 percent. Furthermore, this option helps prevent dents and dings, and our 1-3/4 doors are available with a fire rating up to 60 minutes.



Available sticking profiles







Impression™ mirror doors

The JELD-WEN® Impression door features a beveled mirror on one side, and a molded 6-panel door design on the opposite side. Each door is constructed with special adhesives, which eliminate the need for the clunky lip mould. That means all you see is the beveled edge of the mirror. The doors are also created to resist moisture, so they're great for bathrooms.



DOOR: ROCKPORT

Garage doors

Our composite garage doors are built to perform reliably while enhancing the architecture of your home. Each one has a woodgrain appearance and a surface that's resistant to dents.

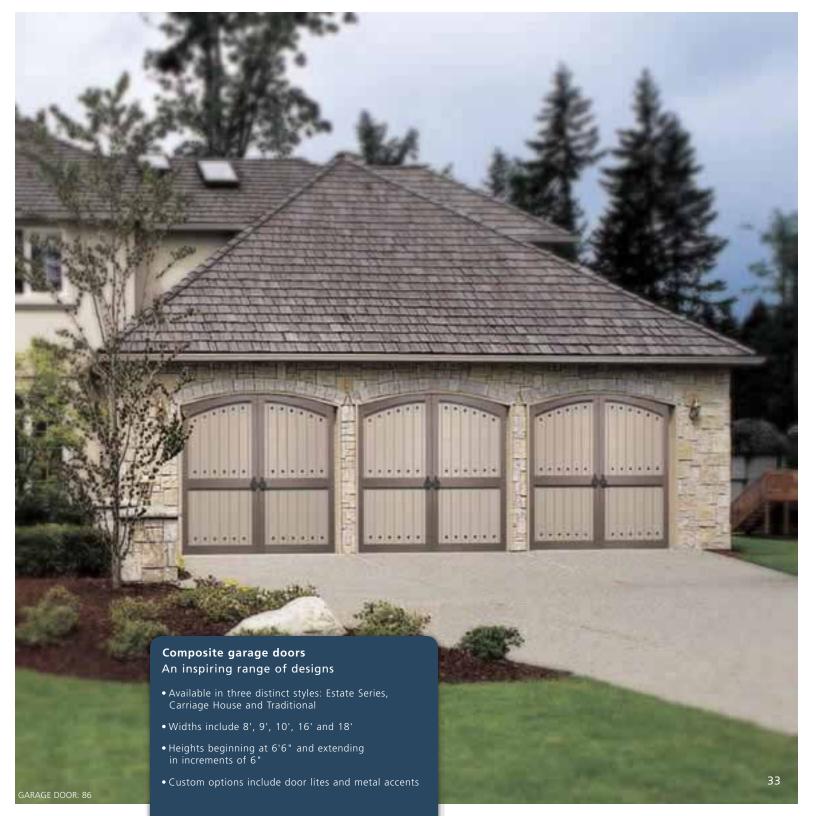




Composite technology

Our composite garage doors are as elegant as wood, as strong as steel and as enduring as fiberglass.





Your remodeling worksheet Questions to consider

What is my home's architectural style?					
Which elements in my home should my windows and doors match?					
Which custom features are important to me	? (Check all that apply.)				
WINDOWS	DOORS				
☐ Metal cladding colors	☐ Distinctive shapes (e.g., radius, Gothic or segment)				
☐ Unique shapes or sizes	A one-of-a-kind design				
Grille patterns for divided lites	☐ Architecturally inspired entry systems				
Are there other features or options that into	erest me?				
What is my budget?					
	erest me?				













Ready, set, remodel

With a little research and some thoughtful planning, your remodeling project can be a positive experience from beginning to end. Your smart choices will allow you to watch with wonder as your home is improved before your very eyes.

Furthermore, when you choose reliable JELD-WEN® windows and doors for your project, you can be sure you'll be as pleased with your selection tomorrow as you are today. These products deliver all the durable performance and aesthetic appeal you desire. They're also supported by industry-leading warranties.

To see our complete product offering, as well as information about options, warranties, installation and care and maintenance, or to find your nearest dealer, please visit **www.jeld-wen.com**.

Helpful Web sites

- www.hgtv.com
- www.thisoldhouse.com/toh/knowhow/adding





The JELD-WEN Web site is your ultimate resource for learning about our reliable windows and doors. It has all the product information and design advice you need. Visit www.jeld-wen.com today.



RELIABILITY for real life®





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

JELD-WEN reserves the right to change product specifications without notice. Please check our Web site www.jeld-wen.com for current information.

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