

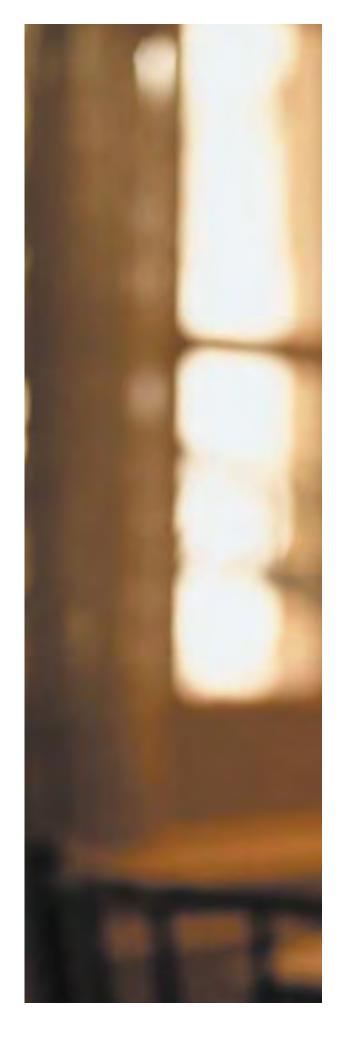
# ULTRATA WOODCLAD SERIES FIBERGLASS WINDOWS AND DOORS

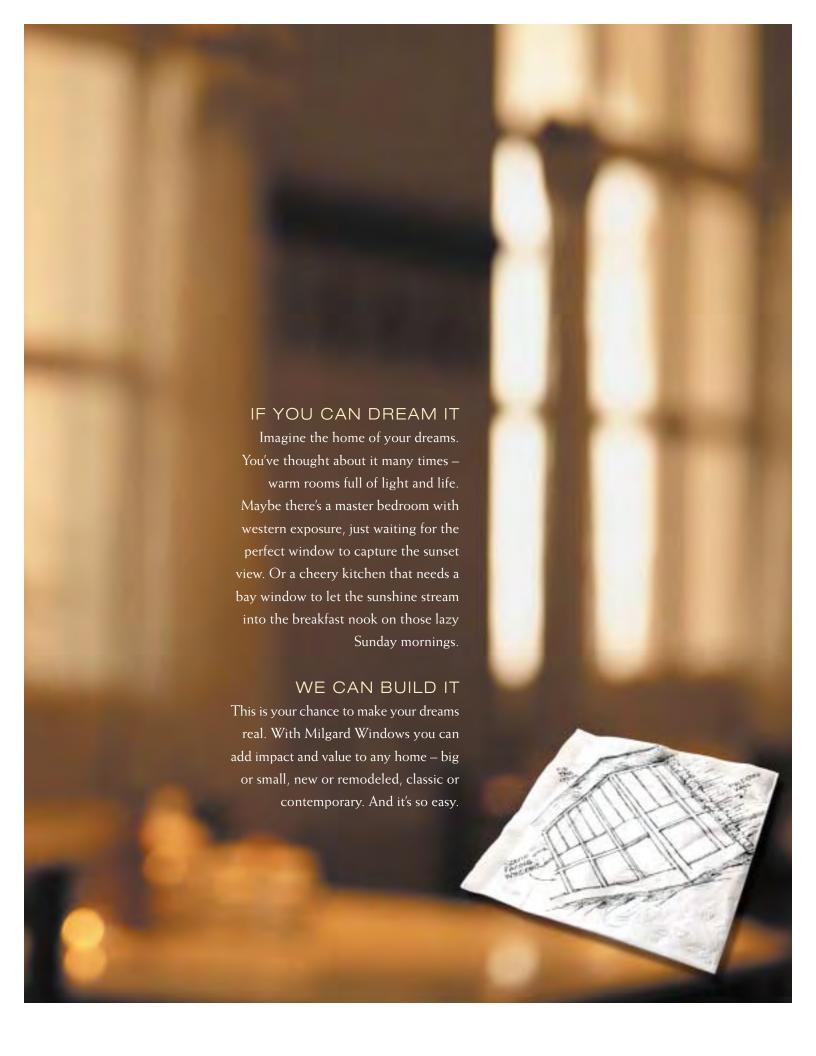




#### **SOLUTIONS GUIDE**

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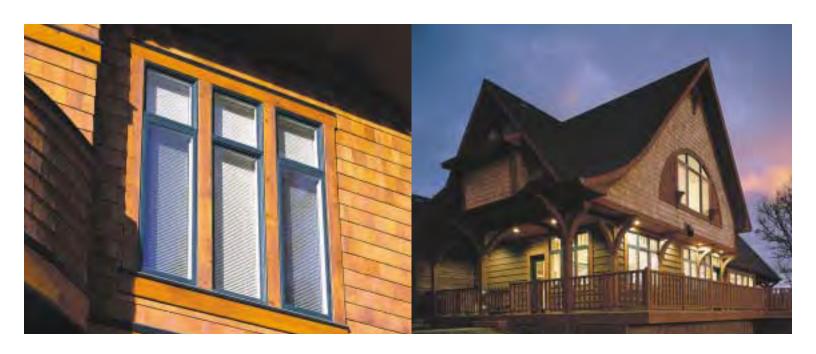
## EXPERIENCE COUNTS



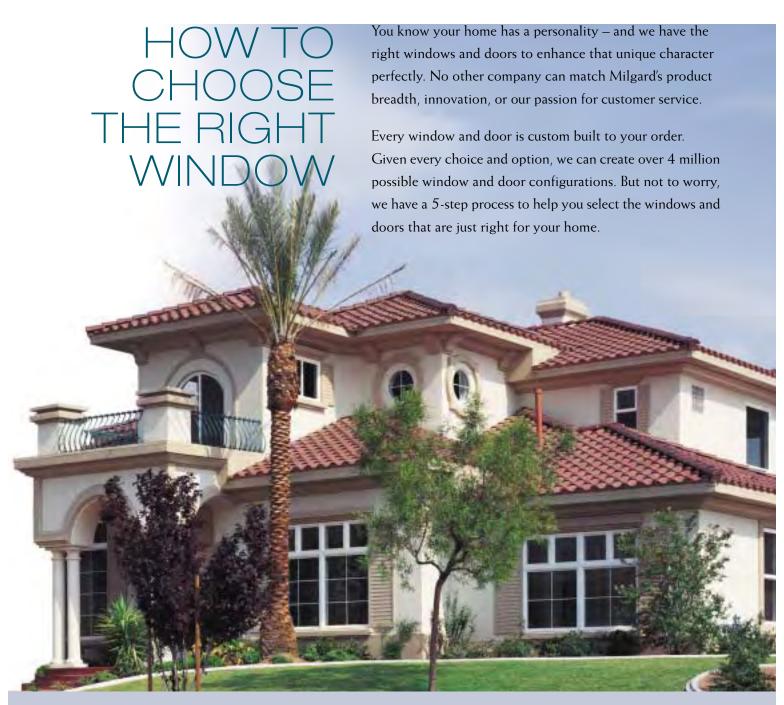
Milgard began as a small glass shop in Tacoma, Washington in 1962. Our founder and CEO, Gary Milgard, never wanted to be the biggest window company – only the best. That dedication to quality and service has made Milgard one of the largest window manufacturers in the country, with numerous full-scale manufacturing plants and over 4,000 employees to serve you locally.

Milgard controls the entire production, delivery and service process, keeping quality a priority and lead times to a minimum. As we continue to grow, our focus remains on building one exceptional window or door at a time.

We invite you to explore our Ultra<sup>™</sup> and WoodClad<sup>™</sup> series of fiberglass window and door products in this brochure. Or, better yet, begin working with your Milgard dealer today and start turning your dreams into reality.







### FIVE STEPS FOR SELECTING A WINDOW:

#### FRAME TYPE

Which frame type is right for you — Ultra or WoodClad? Learn the benefits of both, and discover why fiberglass makes the ideal window frame composition

### 2styles & configur-ATIONS

Each window has a specific purpose or advantage. For example, horizontal sliders are popular for their ease of use and contemporary style. Or perhaps a picture window for maximum visibility is to your liking. You can also combine different styles, shapes and sizes of windows to

#### 3 GLASS & GRIDS

The glass you choose is as important as the frame it's in. The right glass can control the sun's heat, reduce harmful UV rays that fade carpet and furniture, and can even lower your energy bills. Optional grids can create a distinctive look for every room.

## HARDWARE SPECIALTY OPTIONS WINDOWS

All Milgard window hardware is tailor-made for our systems, so you can select a design that's ideal for you. All of our window hardware meets, or exceeds the strictest forced entry codes - providing safety and security for your family Looking to add a signature touch to your home or want more natural light to brighten your surroundings?

A specialty window, such as a dramatic bay or bow window, may be just what you're looking for

# ULTRA™ & WOODCLAD™ FIBERGLASS WINDOWS AND DOORS



#### **ADVANCING FIBERGLASS**

Milgard's fiberglass windows are produced using a process known as pultrusion. Glass rovings and mats (shown above) are pulled at tremendous forces through a resin bath and a series of dies. These materials combine and catalyze to provide unparalleled tensile and torsional strength.

#### COMPARE THE ADVANTAGES

	Wood	Fiberglass
Will Not Crack		
Will Not Peel		
Will Not Bend/Warp		
Paintable		
Wood Window- Like Profile		•
SDL (Simulated Divided Light) Grids		•
Available with Wood Clad Interior		•
Will Not Stick Due to Expansion and Contraction		•
High Energy Efficiency Coefficient		•

Fiberglass itself is nothing new. It's been floating boats and adding strength to ladders for years. But until recently, the complex profiles required for window designs have been impossible to attain with fiberglass. Milgard's R&D team faced this challenge and engineered a window and door system that's impervious to water, cold, heat, insects, salt air and ultraviolet rays. The end result: efficient windows and doors that maintain their beauty in every season, in any climate. Milgard gives you two distinctive choices when it comes to fiberglass windows and doors: Ultra and WoodClad.

#### MILGARD'S ULTRA™ SERIES

Ultra – as the name implies was designed to be the ultimate in window and door frame material. The Milgard Ultra fiberglass design was conceived from the input of homeowners, architects and builders during our 40 years of window making.

Ultra benefits from the strength, maintenance features and stability of fiberglass, while presenting the appearance of a traditional wood frame profile. One of the toughest windows you can find, Ultra makes a wonderful addition to any home, from traditional to modern.

#### MILGARD'S WOODCLAD™ SERIES

WoodClad windows and doors offer the best of both worlds – the durability of a fiberglass frame, with the warmth of a clear, vertical-grain Douglas Fir on the interior. You'll find WoodClad windows and doors on many of the most upscale homes and resorts across the nation.

Whether you choose the Ultra or WoodClad series for your new construction home, or home remodeling project, you'll enjoy all the benefits of fiberglass and the peace of mind in knowing your windows and doors will last a lifetime. Read on and discover which series best fits your needs.





# ULTRA''' PERFORMANCE THROUGH EVERY SEASON

Ultra combines the benefits of fiberglass with the quality of Milgard's production process. Fiberglass is perhaps the ultimate building material. When you first look at a Milgard Ultra series window, you might think that it's painted wood. That's no coincidence. In fact, the window system was designed to match the beauty and profile of a wood window product, while avoiding the maintenance issues that wood windows face.

Our Ultra series windows won't absorb moisture. In fact, due to their fiberglass composition the frame will thermally expand and contract at about the same rate as the insulated glass unit, so they're fingertip easy to open in any weather.

For appearance and performance, Ultra offers an upscale look that will complement any home, anywhere – from the West Coast to the Atlantic seaboard. Its baked-on paint finish won't peel or eggshell, unlike a painted wood finish.

And finally, they're permanently joined without the use of staples or nails for a cleaner look.

#### **COLORFUL OPTIONS**

Ultra's interior fiberglass surface comes pre-finished in white. Choose from one of five standard exterior colors.\* It's a finish that will never crack, peel. Ever. But if you require a custom color, fiberglass — unlike vinyl — can be painted at the job site with proper preparation.





HORIZONTAL SLIDERS Shown: Horizontal Slider with Custom Grid



Half Vent













Half Vent

Half Vent Below 2-Lites

Double Vent

Half Vent Below Half V

# VY OOU CIUU VY INUC

# WOODCLAD<sup>TM</sup> BEAUTY ON THE INSIDE AND OUT

### A CLEAR SOLUTION

With one glance, you'll notice the difference. WoodClad's clear, vertical grain Douglas Fir warms interiors with a look you just can't achieve with standard fir or pine.



#### ADD A LAYER

With WoodClad, your choice of colors is limited only to your imagination. Inside, you can add a simple varnish or a rich stain to the vertical grain fir to match any interior trim. Outside, you can choose a standard or custom color, or apply a new color of paint whenever the mood strikes you.





Colors shown are approximate. Due to printing

Milgard's WoodClad series of windows and doors suits not only the architectural purist, but the architectural realist as well.

Milgard WoodClad fiberglass windows and doors are built with the same fiberglass frame as our Ultra series but have a beautiful vertical grain Douglas Fir cladding, on the inside. Compare our wood finish to the pine typically used by many wood window manufacturers.

Unlike most wood window manufacturers who have offered wood windows with exterior cladding to compete with the low maintenance features of aluminum and vinyl windows, Milgard's fiberglass frame will not absorb moisture that can cause the windows to stick. And best of all, since our WoodClad products have a fiberglass exterior, you can paint them any color you like, unlike many wood windows that have a vinyl exterior.

When it comes to the details, Milgard doesn't stop at providing the highest quality wood. Thanks to some ingenious engineering, WoodClad windows have no unsightly staples or nail holes that are so common in ordinary wood windows. We have the ability to provide you with the custom shapes, sizes and configurations you demand. Because our commitment to the quality of your window goes deeper than merely the beauty you can see on the outside, Milgard only uses solid stainless steel screws throughout the window's construction, so there's nothing to corrode or rust – ever.

Maybe you're building a new home, planning a remodel, or just want to replace those old, weepy windows that keep your energy costs high every month. Or, maybe you want to have your favorite paint color outside, and a stain or paint to match your furniture or cabinetry inside. Whatever the reason, Milgard Ultra and WoodClad Fiberglass windows and doors are the right choice for your home.





CASEMENT WINDOWS

Shown: Full Casements with custom grids and optional brass hardware

















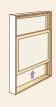


e-bottom Double-bott

#### WINDOW STYLES

#### Single-Hung

Traditional in appearance, single-hungs slide vertically and are reminiscent of old style sash windows. Combine them with a picture window for more impact.



#### Double-Hung Tilt

Milgard double-hung windows offer all the elegance of years gone by, combined with functionality that's up to the minute.



#### Picture

A perfect selection for view homes, picture windows capture maximum visibility. Combine a picture window with other windows to allow for ventilation.



#### Horizontal Slider

A popular style for contemporary homes, horizontal sliders are typically used for bedrooms requiring egress.



#### Radius\*

Radius windows enhance the character of both contemporary and traditional homes. Arched windows are perfect for door transoms, too.



#### Casement

Graceful styling and high-tech engineering make casements a popular choice. Jamb hinges allow the window to completely open outward for maximum ventilation and to achieve egress.



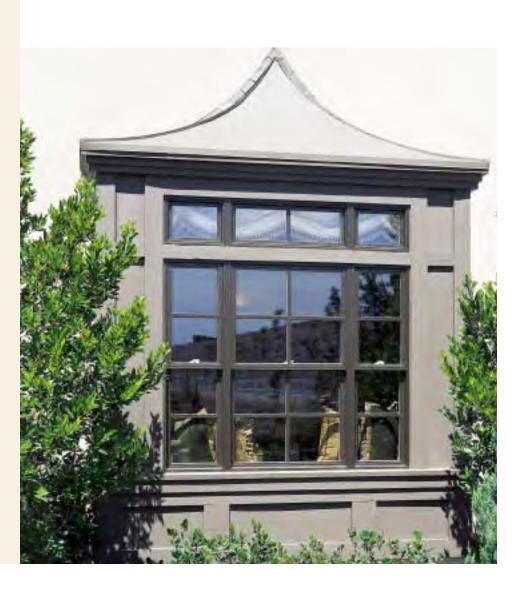
#### Awning

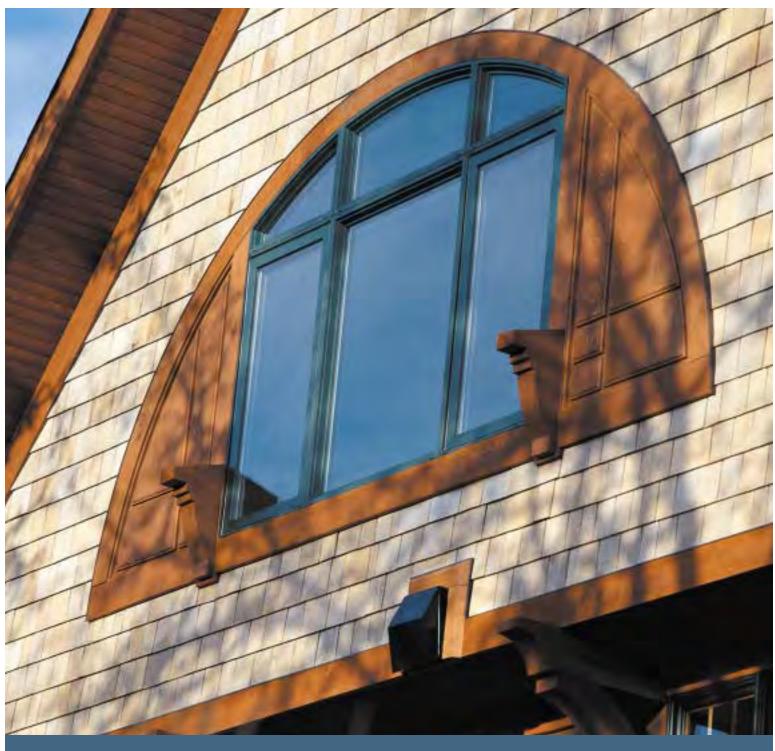
Hinged on the top of the window, awnings tilt out to allow for ventilation, even during bad weather. An ideal accent above or below a picture window.



# CHOOSE YOUR STYLE

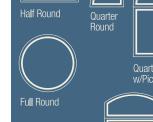
When you install Milgard windows, you have the opportunity to choose the exact window style – or styles – that will enhance the look of your home. If you can envision a floor-to-ceiling picture window, or a one-of-a-kind radius, we can create it. Plus, every Milgard window is custom built to your order – even standard sizes, all at standard prices and lead times. So whether it's a small bathroom window or a living room centerpiece, your windows will be made with the same level of craftsmanship that has won Milgard awards for its products year-after-year.





#### RADIUS WINDOWS

Shown: 3-Lite Arch Top with Double Bottom Casement/Picture

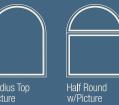






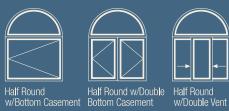
































# ENDLESS POSSIBILITIES

Now that you understand what window styles Milgard offers, you can mix and match them to expand on the endless possibilities to create window configurations that match your creativity.

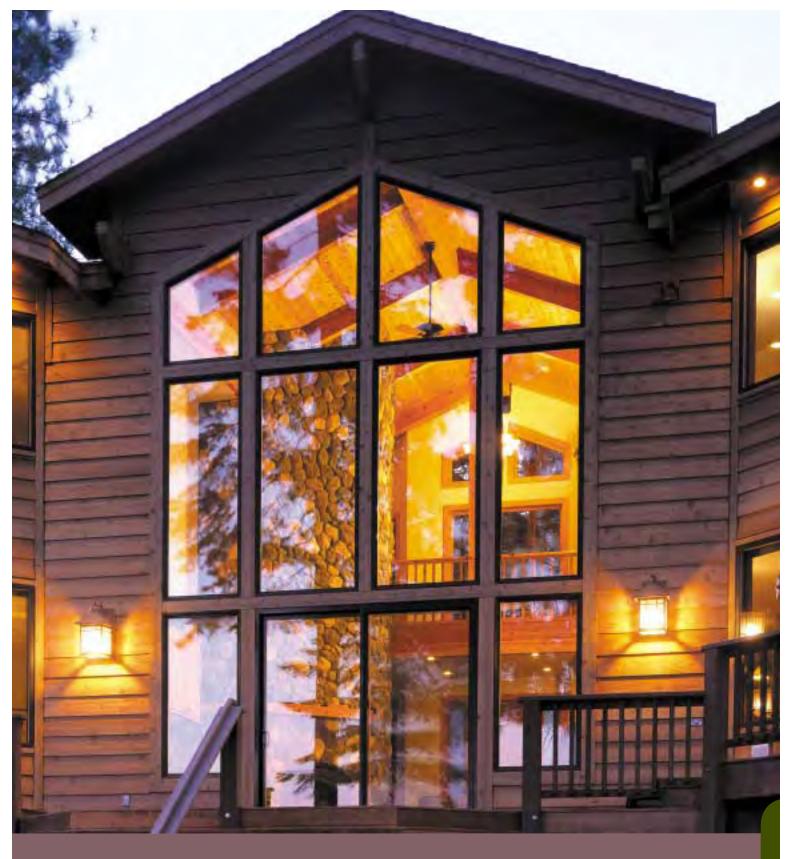
The example below shows how even the combination of a few window styles – picture windows, single hungs, along with a radius top – can create a cathedral-like impression.

#### **GO AHEAD - BE CREATIVE**

When you install new Milgard windows, you have a great opportunity to create just the arrangement that will enhance the look of your home. All nine window types can be configured in any number of combinations. Here are just a few ideas.







#### PICTURE WINDOWS



Picture Window



Picture Window 2-Lites Vertical



Picture Window 3-Lites Vertical



Picture Window 2-Lites Horizontal



Picture Window Gable 3-sided



Picture Window Gable (Doghouse)



Picture Window Hexagon



Picture Window Octagon

## EVERY HOME HAS A DEFINING MOMENT

Carefully chosen windows can make an average home spectacular. So just imagine the impact Milgard windows can have on a home like yours – one that's already special.

Since every Milgard window is custom built to your order, you have the freedom to think outside the box. Tweak a size here. Add all-out drama there. Or mix and match window types and configurations to achieve just the result you're looking for. Our highly skilled craftsmen will expertly craft each window. And we'll back every one for a lifetime.

Ultra and WoodClad windows offer endless possibilities. If you're looking to improve your view or add value to your home, let Milgard turn the home of your dreams into reality.







## LET THE SUNSHINE IN – WITHOUT GETTING BURNED

As energy costs continue to rise, Milgard continues to look for additional ways to help cut your energy costs. Choosing the right kind of window glass can dramatically affect the year round comfort in your home. Which is why when you choose Milgard windows, you will automatically receive the best glass in the industry: SunCoat<sup>TM</sup> Low-E all climate, all season glass. The clear glass choice for year-round comfort.

#### THE BENEFITS OF Low-E GLASS ARE CLEAR

- Comes standard on Milgard Ultra and WoodClad windows and doors.
- Reduces heat and cooling loads.
- Reduces harmful UV rays that fade carpet and furniture.
- All around comfort, all year long.

Glass has a large effect on the heat your house loses at night, the heat it gains during the day and on noise levels from outside. The glass in your windows helps to determine the level of comfort, security and privacy in your home.

#### STANDARD GLASS

#### Insulated Glass

All Milgard products are shipped with sealed dual pane insulated glass units filled with air or optional argon gas, improving thermal protection.

#### SunCoat™ Low-E Glass

Maximize visible light while taking advantage of the protection SunCoat™ Low-E affords.

#### GLASS OPTIONS

#### Obscure Glas

Milgard's obscure glass comes in many patterns that protect your privacy, but allow abundant light to enter the room.

#### Tinted Glass

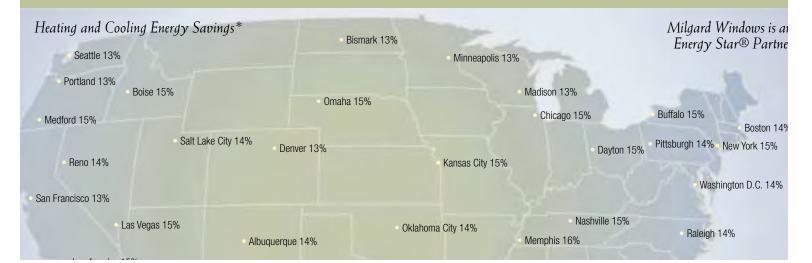
Tinted glass provides additional protection from the sun in extreme conditions.

#### ENERGY SAVINGS

Windows can account for up to 30% of the annual energy consumed in a home. In the summer, Milgard's  $SunCoat^{TM}$  Low-E keeps your

home cool and comfortable by rejecting the sun's heat and damaging rays. In the winter, SunCoat<sup>™</sup> Low-E helps your home stay warm and cozy by blocking heat loss to the cold weather outside.

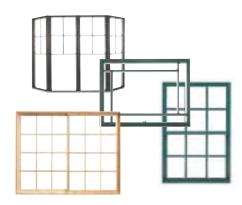
\* Total energy costs (heating + cooling) comparing clear 2-pane glass to SunCoat Low-E, for a house with 15% window to wall ratio uniformly distributed on all four sides of the house. The actual savings can vary due to thermostat settings, use of drapes and blinds, and other lifestyle attributes.



# DRESS UP WITH GRIDS



You can make standard windows and doors extraordinary with the creative use of grid work. Both Ultra and WoodClad series windows and doors offer multiple grid configurations from six different grid options. Grid patterns placed inside the glazing unit include 5/8" wide flat grids and 1-1/16" wide sculptured pattern grids. Snap-in wood grids attach to the interior side of the window or door and remove for easy cleaning. Three additional options are shown below, producing the effect of simulated divided lites. And like all of our products, your grids are covered by our Lifetime Guarantee.









#### VINTAGE GRIDS

Would you like to create the true look of individual panes of glass on both the exterior and interior of your windows? With Vintage grids we mount a fiberglass grid to the exterior pane of glass, a box grid is placed between the two panes of glass, and a wood grid is mounted to the interior pane of glass.

#### **CRAFTSMAN GRIDS**

Would you like to create the true look of individual panes of glass on the interior of your windows, leaving the exterior easier to clean? Craftsman grids utilize sculptured grids between the two panes of glass that can be seen from the exterior of the window, while wood grids are applied to the interior of the window.

#### **LEGACY GRIDS**

Would you like to create the true look of individual panes of glass on the exterior of your windows, leaving the interior easier to clean? Legacy grids utilize sculptured grids between the two panes of glass that can be seen on the interior of the window, while fiberglass grids are applied to the exterior of the window.

# SLEEK AND SECURE HARDWARE

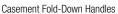
Whether you choose your windows from the Ultra or WoodClad series, you can depend on quality hardware that is attractive, durable, secure, and fingertip-easy to operate.

Ultra series hardware comes in White or Clay. WoodClad series hardware comes in standard colors, White or Clay, or you can choose to upgrade to a brass finish. Screens come standard and are matched to the frame color.

Milgard hardware is tailor-made for our window system. They help to seal our windows weather tight. And, you will be secure in the knowledge that our window hardware meets or exceeds the toughest forced entry codes in the nation. Our Positive Action Lock, for example, closes and locks the window securely in one action. No more guesswork — if the window is closed, it's locked.





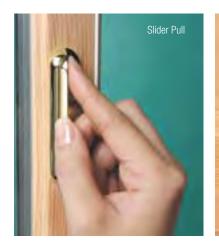




Cam Locks

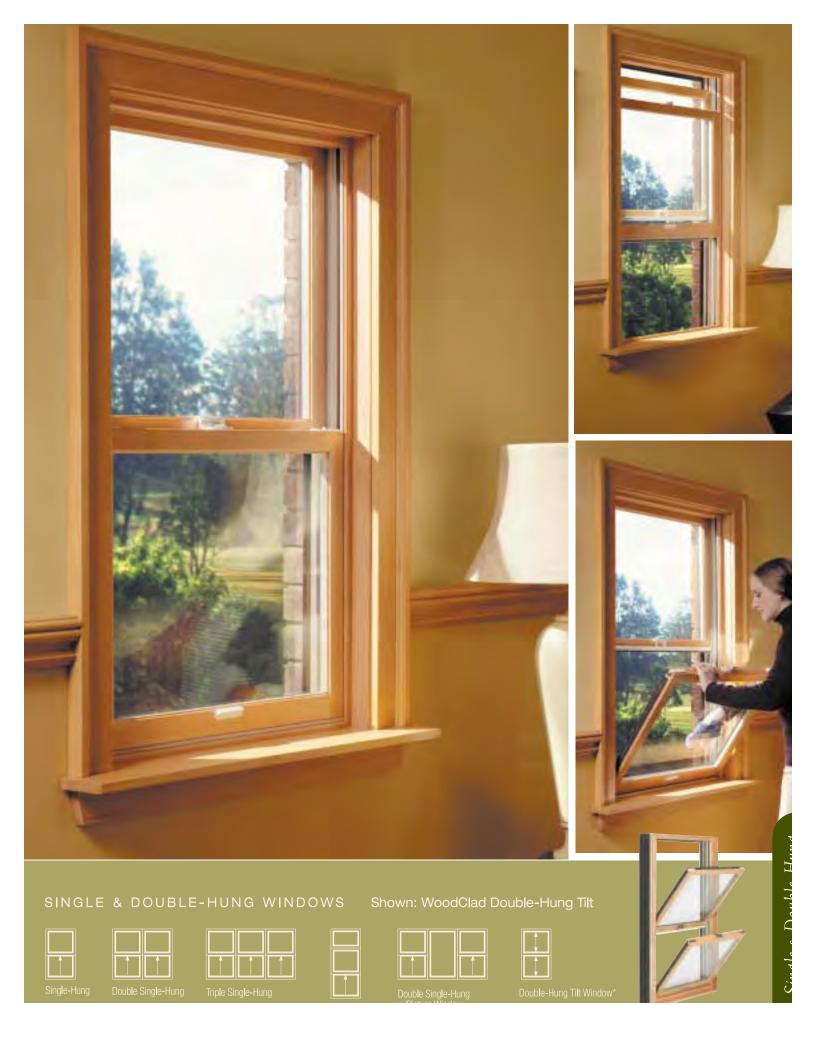


Positive Action Locks









# TAKE A

Go ahead. Use your imagination. With specialty windows from Milgard, you can add a signature touch to your home, let in more natural light, and brighten your surroundings.

Imagine your kitchen drenched in sunlight, a spectacular living room, or that sunny reading nook you've always desired. You can make it happen with a dramatic bay or bow window from Milgard. It's a signature touch that not only adds character to your home, but lasting value as well.

#### **ONLY THE BEST**

If you want to improve the beauty and value of your home, the solution is clear: WoodClad windows. Only the most select wood makes the cut for a WoodClad window. We're so picky, we actually count the number of annual growth rings per inch to maintain quality and consistency. One look at a WoodClad window and you'll notice the difference.



#### **BOW WINDOWS**







4-Segment 4-Segment



5-Segment

#### **BAY WINDOWS**



**Bay Picture** 





**Bay Casement** 



Bay Awning



AWNING WINDOWS

Shown: Picture Windows with Triple Awnings Below



Full Awning



Double Awaina



rip**l**e Awning



Double-Top Awning



Double-Rottom Awning

# OPEN THE DOOR TO BEAUTY, ENERGY SAVINGS AND DURABILITY WITH ULTRAT

With its state-of-the-art technology, Milgard has developed new highperformance Ultra series fiberglass doors.

For years, builders and architects have used swinging and sliding patio doors as a way to invite the beauty of the outdoors in.

Now, you can bathe in the light of a sunny afternoon while shielding your home – and your door – from the elements.

The strength of fiberglass protects your investment from the harsher side of Mother Nature. Plus, fiberglass won't crack, peel, warp, split or pit. It's even paintable to suit your custom color taste.

#### SEE IT YOUR WAY

We build windows and doors to fit your openings. If you have a unique or difficult building situation, chances are, we can accommodate it.



ULTRA™ DOORS Shown: 2-Panel Out-Swing French Doc









## WOODCLAD™ A FIRST-RATE ENTRANCE

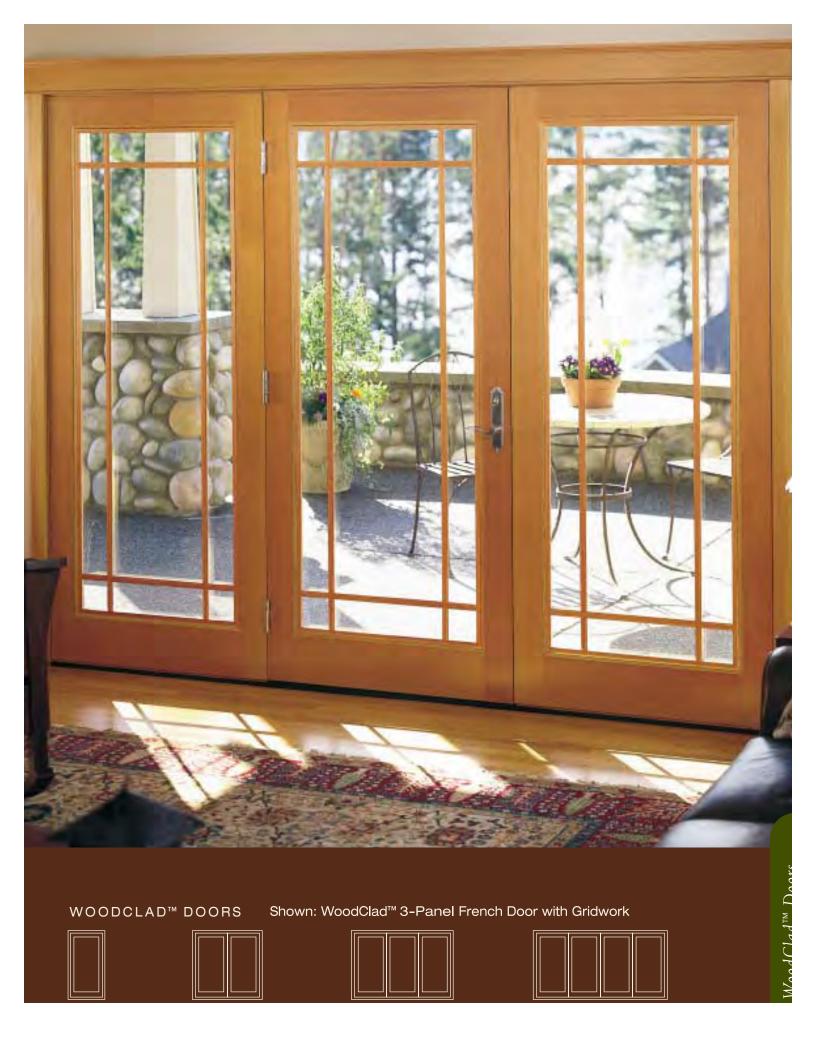
How do you complement a home filled with beautiful WoodClad windows? Why, the answer is clear – add a distinctive WoodClad French or patio sliding door. From a boost in energy efficiency to providing more light, WoodClad doors offer the perfect allaround solution.

With WoodClad doors, you're afforded nearly limitless flexibility when selecting your finishes. Our wood interior can be stained or clear varnished to match existing woodwork from a maple to a cherry appearance – or anything in between. And even though our fir is stain grade, you can paint it to match your interior woodwork. Plus, like our windows, Milgard doors are backed by a full lifetime guarantee to the original owner. That's instant equity.

#### VISUALIZE COMFORT

Every WoodClad door is designed with beauty and function in mind. Only the finest Douglas Fir is used to manufacture the interior veneer. Frames and hardware are crafted to strict specifications and designed for years of everyday use.

And dual-pane glass doors with standard SunCoat™ Low-E glazing boost energy efficiency and help reduce unwanted noise.





# A SENSE OF SECURITY

Milgard's quality hardware is attractive and durable – plus, it exceeds the nation's toughest forced entry codes. Exterior handles and hinges are available in colors to match frames, or in optional brass. Interior handles are available in brass or white. Optional finishes and exterior keyed locks are available.



Ultra and WoodClad doors can be customized by choosing from a myriad of glass and grid options, or by mixing windows with doors.

Single or Two Panel Doors



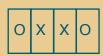


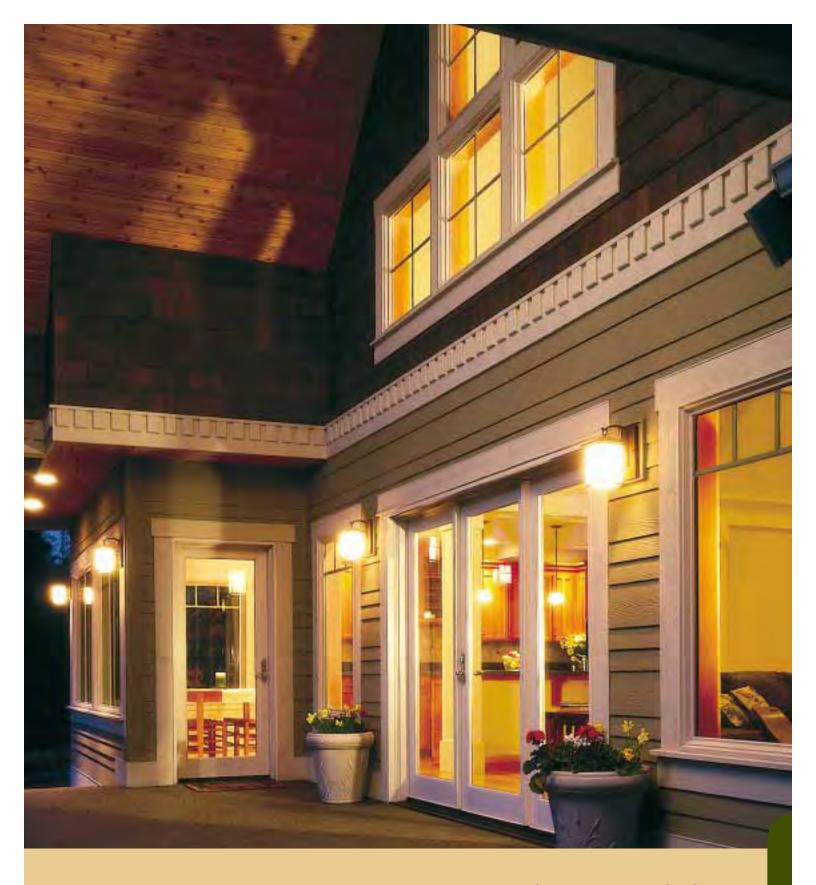
Three Panel Doors





Four Panel Door





#### **ENSEMBLE PIECES**

Two Panel Door with Transom Top



Double Doors with Bottom Awning Sidelites



Three Panel Segmented Arch Transom



All Ultra<sup>™</sup> and WoodClad<sup>™</sup> windows and doors are backed by Milgard's industry-leading Full Lifetime Guarantee. If anything ever goes wrong with one of our products in a single-family home, we'll fix it for as long as the original owner lives there.

Parts and labor included.

Our lifetime guarantee applies not only to new construction homes, but to new additions and replacement windows as well. Even in condominiums. Plus, Milgard offers a full 10-year warranty for commercial buildings and multifamily homes. There are simply no better windows – or guarantees – in the business.



### CARE AND MAINTENANCE

#### FIRST STEPS

Immediately after installation, remove all protective coverings, shipping and construction debris (i.e., dust, dirt, paint and plaster) from window.

#### LET IT BREATHE

Keep window sill, interior and exterior weep holes (water drainage holes) clean at all times and free from obstruction.

### KEEP IT CLEAN

Wash window frames with mild soap and water. Clean glass with glass cleaner or a mixture of ammonia and water.

#### GO WITH THE FLOW

Keep your home well ventilated. Excess moisture can increase visible condensation on windows and lead to surface damage throughout your home.

Milgard Ultra<sup>TM</sup> and WoodClad<sup>TM</sup> windows meet or exceed criteria for structural integrity and reliable performance established by the American Architectural Manufacturers Association (AAMA). Consult your Milgard representative for specific test information.

For full guarantee coverage on Milgard WoodClad windows, the interior wood must be finished and sealed immediately after installation and regularly maintained for the life of the product.

NOTE: For engineering approval, contact your Milgard representative for any configuration over 40 square feet. Each Milgard Manufacturing plant reserves the right to alter or change sizes and configurations according to location capabilities. Ask your Milgard rep about specialty applications.

Windows over 40 square feet shipped open for field glazing.

#### PACKAGED AND SHIPPED LIKE A WORK OF ART

Each Ultra™ and WoodClad™ window is carefully wrapped to protect the beauty of the product and functionality of the window. Our delivery people, who take extra pride in delivering the finest windows on the market, extend that same level of care and customer service.



### COMPARE THE ADVANTAGES

	Aluminum	Vinyl Style Line™	Vinyl Classic™	Fiberglass Ultra™	Fiberglass WoodClad™
Colors	ш	П		Ш	Ш
ustom Colors vailable				•	•
aintable Frame				•	•
ow laintenance				•	•
ligh Quality, tain-Grade 700d Interior					•
raditional 700d look with qual Sight Lines				•	•
unCoat™ ow-E / Energy aving Glass				•	•
ustom Sizes				•	•
lew or eplacement		•		•	•
ifetime uarantee		•		•	•
lulti-Point ocking System				•	•
actory Service apported		•		•	•
ound Control				•	•
nergy Star®					

What window or door frame type is right for you? Fiberglass? Vinyl? Aluminum? Depending on climate factors and the design of your home, any of these Milgard windows – or a combination of all of them – might be the best solution for you. We've put together this chart to help simplify your selection process.

Perhaps the best advice we can offer is to talk with your Milgard dealer. They will be glad to help you select the windows and doors ideal for you and your home.





#### **CLOSER IS BETTER**

Milgard is one of the largest window manufacturers in the country. Because our manufacturing and service facilities are strategically located, your order can arrive in days instead of weeks. And service is always readily available.

#### **ARIZONA**

**PHOENIX** 860 West Carver Rd. Suite 110 Tempe, AZ 85284 Phone: (480) 763-6000 Fax: (480)763-6021

#### **CALIFORNIA**

HOLLISTER 2451 Bert Drive Hollister, CA 95023 Phone: (831) 636-0114 Fax: (831) 636-0274

**SACRAMENTO** 6050 88th Street Sacramento, CA 95828 Phone: (916) 387-0700 Fax: (916) 379-0589

SIMI VALLEY 355 Easy Street Simi Valley, CA 93065 Phone: (805) 581-6325 Fax: (805) 581-0912

**TEMECULA** 26879 Diaz Road Temecula, CA 92590 Phone: (909) 296-1400 Fax: (909) 296-1414

#### **COLORADO**

DENVER 17450 E 32nd Place Aurora, CO 80011 Phone: (303) 365-5520 Fax: (303) 363-6914

#### **ILLINOIS**

CHICAGO 3505 Thayer Ct, Suite 200 Aurora, IL 60504 Phone: (630) 236-2400 Fax: (630) 236-1895



#### **OREGON**

PORTLAND 20789 SW 115th Ave Tualatin, OR 97062 Phone: (503) 682-3270 Fax: (503) 685-9134

UTAH SALT LAKE CITY 1000 South, 500 West Salt Lake City, UT 84101 Phone: (801) 972-0715 Fax: (801) 972-0744

#### **VIRGINIA**

FREDERICKSBURG 10846 Houser Drive Fredericksburg, VA 22408 Phone: (540) 834-0340 Fax: (540) 834-0699

#### **WASHINGTON**

TACOMA 965 54th Ave East Tacoma, WA 98424 Phone: (253) 922-6030 Fax: (253) 922-3983

**MARYSVILLE** 3800 136th Street NE Marysville, WA 98271 Phone: (360) 659-0836 Fax: (360) 653-7229 1.800.MILGARD milgard.com



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