

$\begin{array}{l} Ultra^{^{\scriptscriptstyle M}} \And WoodClad^{^{\scriptscriptstyle M}} \ Series \\ Fiberglass \ Windows \ and \ Doors \end{array}$



SOLUTIONS GUIDE

About Milgardp.4
Choosing the Right Windowp.5
The Strength of Fiberglassp.6
Ultra [™] Windowsp.8
WoodClad [™] Windowsp.10
Styles & Configurationsp.12
Glass & Gridsp.18
Window Hardware p.20
Specialty Windows p.22
Ultra Doors p.24
WoodClad Doorsp.26
Door Hardware p.28
Care & Maintenance/Warrantyp.30
Compare the Advantages



IF YOU CAN DREAM IT

Imagine the home of your dreams. You've thought about it many times – warm rooms full of light and life. Maybe there's a master bedroom with western exposure, just waiting for the perfect window to capture the sunset view. Or a cheery kitchen that needs a bay window to let the sunshine stream into the breakfast nook on those lazy Sunday mornings.

WE CAN BUILD IT

This is your chance to make your dreams real. With Milgard Windows & Doors you can add impact and value to any home – big or small, new or remodeled, classic or contemporary. And it's so easy.

Experience Counts



Milgard began as a small glass shop in Tacoma, Washington in 1962. Our founder, 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 3,500 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 and door at a time.

We invite you to explore our Ultra[™] and WoodClad[™] 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.



How To **Choose The Right Window**

NO TO DO DO

You know your home has a personality – and we have the right windows and doors to enhance that unique character perfectly. No other company can match Milgard's product breadth, innovation, or our passion for customer service.

Every window and door is custom built to your order. Given every choice and option, we can create over 4 million possible window and door configurations. But not to worry, we have a 5-step process to help you select the windows and doors that are just right for your home.

Five Steps For Selecting A Window:

PRODUCT SERIES

right for you – Ultra[™] and discover why

TYLES & CONFIGURATIONS

purpose or advantage. For or WoodClad[™]? Learn example, horizontal sliders are popular for their ease of use and contemporary style. Or different styles, shapes and



The glass you choose is it's in. The right glass can reduce harmful UV rays that Optional grids can create

HARDWARE

All Milgard window and door hardware is tailor-made signature touch to your select a design that's ideal for you. All of our window and security for your family



Looking to add a natural light to brighten your surroundings? A bow window, may be just what you're looking for.

Ultra[™] & Woodclad[™] Fiberglass Windows and Doors



ADVANCING FIBERGLASS

Milgard 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 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 WoodClad Interior		
Will Not Stick Due to Expansion and Contraction		•
High Energy Efficiency Coefficent		

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 Research and Development team faced this challenge and engineered a window and door system that stand up to harsh weather, insects, salt air and ultraviolet rays. The end result: energy 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 or rich Mahogany 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 are backed by our Full Lifetime Warranty. For complete warranty details visit milgard.com.



Ultra[™] Performance Through Every Season



COLORFUL OPTIONS

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

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.

*Colors shown are approximate. Due to printing limitations, actual colors may vary slightly.







 1



▶

__▶ Half Vent Below 2 Lites

L	<u> </u>

	-
Jouhle	

f Vo	nt D	Below
i ve		Delow



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 standard. Or choose our new Mahogany interior option with Brownstone exterior.

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 or aluminum-clad 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, tired windows. 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.

Woodclad Beauty On the Inside and Out

A CLEAR SOLUTION

With one glance, you'll notice the difference. The Wood Veneer interior warms your home.

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 match any interior trim. Outside you can choose a standard or custom color, or apply a new color of paint.

* Colors shown are approximate. Due to printing limitations, actual colors may vary slightly.

** WoodClad interior comes unfinished. The unfinished wood interior should be sealed prior to, or immediately after installation.



CVG Douglas Fir Mahogany (Brownstone and White)







CASEMENT WINDOWS







7	ſ
_	



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, with functionality that will last for years to come.

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.

* Radius windows are aluminum with wood liner





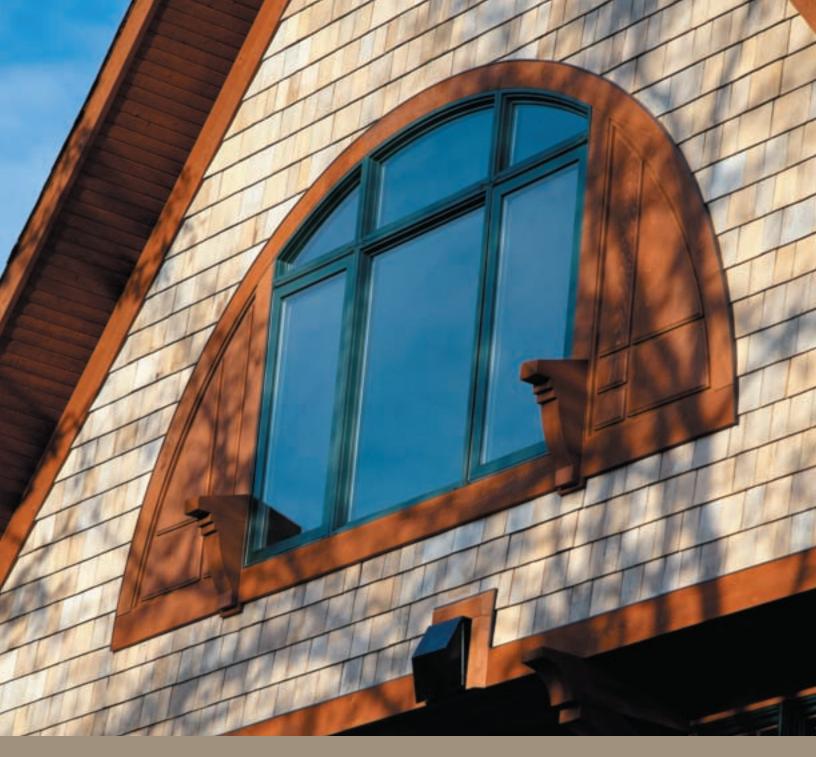
Choose Your Style

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 custom 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.

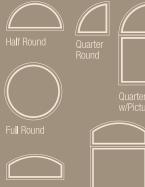








RADIUS WINDOWS





Radius To Picture













	\square
oub l e nt	Half Round w/Double V



Radius Top w/Double Bottom Awning



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 and door configurations that match your creativity.

The example below shows how even the combination of a few window and door styles – french doors, operable sidelights, along with a transom top – can enhance your home dramatically.





PICTURE WINDOWS













Every Home Has A Defining Element

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 to the original owner. For complete warranty details visit milgard.com

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 SunCoat[®] Low-E 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.

Low-E glass.

STANDARD GLASS

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

Maximize visible light while taking advantage of the protection SunCoat[®] Low-E affords.

GLASS OPTIONS

Reduces solar heat Milgard's obscure glass gain 62.5% over comes in many patterns that ordinary single coat protect your privacy, but allow abundant light to enter the

room.

Tinted Glass

* 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

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

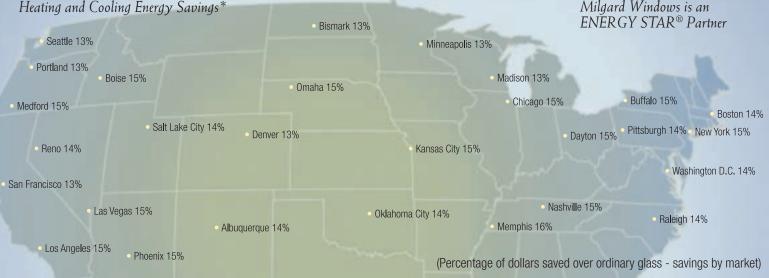
ENERGY SAVINGS

Windows can account for up to 30% of the annual energy consumed in a home. In the summer, Milgard's SunCoat Low-E keeps your home cool and comfortable by rejecting the sun's

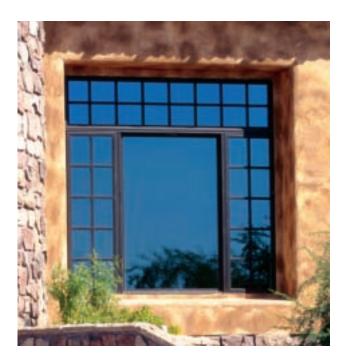
heat and damaging rays. In the winter, SunCoat Low-E helps your home stay warm and cozy by blocking heat loss to the cold weather outside. For extra energy savings add argon or advanced warm edge spacer technology.

Milgard Windows is an

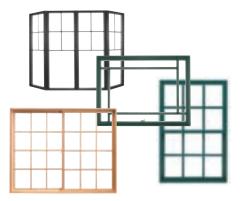
lifestyle attributes.



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 or 1-1/16" wide sculptured 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 backed by our Full Lifetime Warranty for as long as you own and reside in your home. For complete warranty details visit milgard.com.













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 apply mount a fiberglass grid to the exterior pane of glass, an aluminum grid is placed between the two panes of glass, and a wood grid is applied to the interior pane of glass.

*Cranberry and Matte Black grid options are

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.









Lock Exclusively for Double-Hung Window

SINGLE & DOUBLE-HUNG WINDOWS







Single-Hung

Triple Single-Hung

Double Single-Hung w/Picture Window						

L

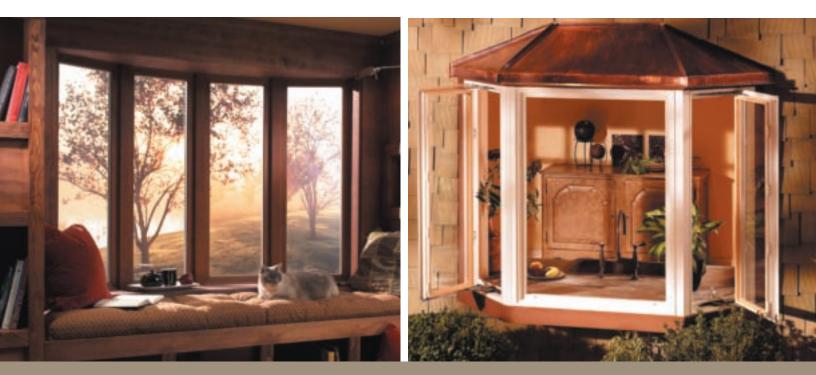
Double-Hung Tilt Window*

Take A Step Beyond

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. 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.



BOW WINDOWS





Bow Awning



Bow Casement

BAY WINDOWS



Bay Picture

ay Casemen

ay Awning

Specialty Windows 22



AWNING WINDOWS

Shown: Picture Window with Double Awnings Mulled Below and Delta Frost Glass

Eull Awning

 \land

ouble-Top Awning

Double-Bottom Awnir

Open The Door To Beauty, Energy Savings And Durability With Ultra™



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, or split. 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 Doo









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 door or sliding patio door. From a boost in energy efficiency to providing more light, WoodClad doors offer the perfect all-around 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 Warranty 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 and Mahogany is used to manufacture the interior veneer. Frames and hardware are crafted to strict specifications and designed for years of everyday use. Doors are manufactured standard with multi-point lock hardware. Dual-pane glass doors with standard SunCoat[®] Low-E glazing boost energy efficiency and help reduce unwanted noise.



WOODCLAD™ DOORS

Shown: WoodClad 3-Panel French Door with Vintage Grids









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 finishes. Optional interior finishes and exterior keyed locks are available.





Full Lifetime Warranty

The peace of mind from clearly the best warranty in the industry.

Unlike less inclusive warranties, our industry-leading Full Lifetime Warranty includes parts and labor to the original homeowner as long as they own and reside in their home. The warranty automatically extends up to 10 years from the date of purchase to unlimited successive homeowners. Milgard believes in durable solutions. That's why we can back our products with a Full Lifetime Warranty.

Also unlike the competition, our warranty covers owner-occupied multi-family homes.

Milgard factory-trained technicians service all warranty claims.

We trust only Milgard factory-trained technicians to service our Full Lifetime Warranty. No one knows our windows better than our certified technicians. giving you the assurance of quality workmanship from qualified people – with no hidden costs and no guesswork. With other companies, you don't know who is doing the work, and in some cases the labor isn't even covered.



Milgard Ultra[™] and WoodClad[™] Series even cover glass breakage.

The warranty for Milgard Ultra and WoodClad Series covers glass breakage, including tempered glass.

Care And Maintenance

FIRST STEPS

Immediately after receiving your order, remove all protective coverings, shipping and construction debris (i.e., dust, dirt, paint and plaster) from window. Your fiberglass WoodClad veneer needs to be sealed and finished.

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 and WoodClad windows meet 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 Lifetime Warranty 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 representative about specialty applications.

Windows over 40 square feet shipped open for field glazing, unless otherwise specified.

And Secure Hardware

AWNING AND CASEMENT HARDWARE

STANDARD HANDLES DRAPERY HANDLES White Brushed White Chrome Clay Clay Polished Brass FOLD DOWN HANDLES Polished White Brass Brushed Chrome Clay Polished Brass

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 and WoodClad Series hardware comes in white or clay, or you can choose to upgrade to a polished brass or brushed chrome finish. Screens come standard and are matched to the exterior frame color. Screens for casement and awnings are available in white, champagne or upgrade to wood veneer.

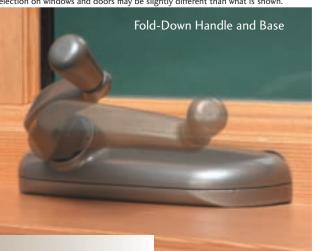
Milgard hardware is tailor-made for our window system. They help to seal our windows weather tight. And, you will be secure in the knowledge that our window hardware meets or exceeds the toughest forced entry codes in the nation. Our Positive Action Lock[™], for example, closes and locks the window securely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

SINGLE	HUNG	A N D	HALF	VENT	HARDWARE
		CAM LC	OCKS		POSITIVE ACTION LOCKS
White	-	1	1		
Brushed Chrome		1	7		3
Clay	4		1		J
Polished Brass	đ				3

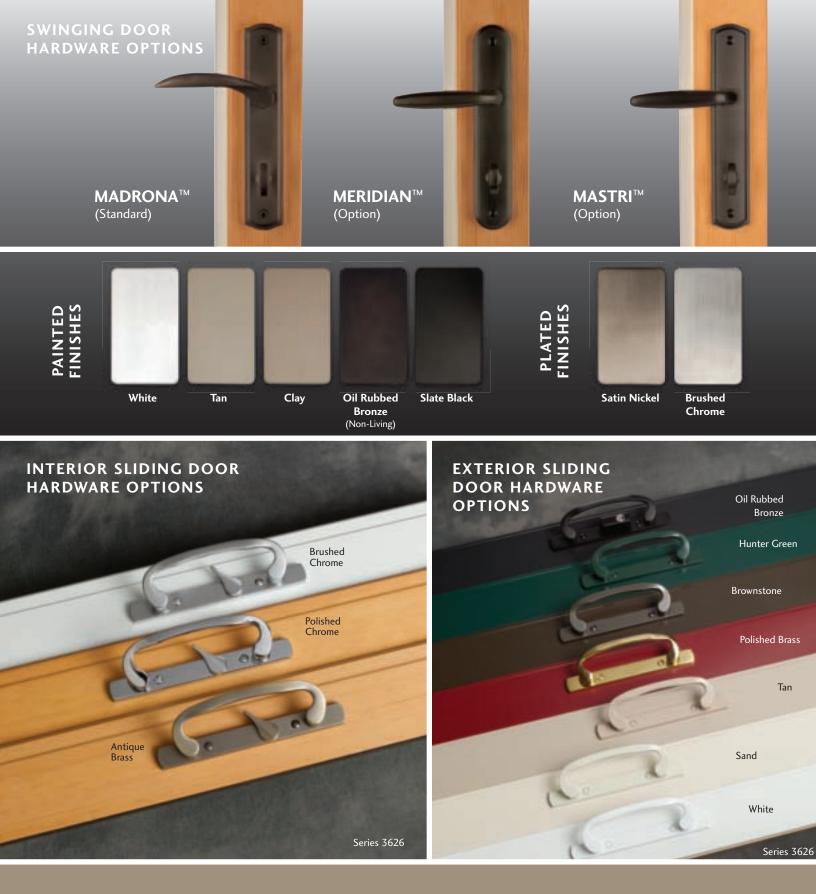
Hardware also available in PVD Dark Bronze (except in Drapery Handles). Milgard may occassionally improve hardware, selection on windows and doors may be slightly different than what is shown.



Window Hardware 20





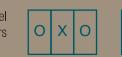


Ultra[™] and WoodClad[™] doors can be customized by choosing from a myriad of glass and grid options, or by mixing windows with doors.

Single or Two Panel Doors



Three Panel Doors



хоо

Four Panel Door



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 take extra pride in delivering the finest windows on the market, extending that same level of care and customer service right to your door.

Compare The Advantages

	Aluminum	Vinyl	Montecito™	T	Fiberglass	Fiberglass
	Aluminum	Vinyl Style Line™	Montecito	Tuscany™	Fiberglass Ultra™	WoodČlad™
Colors						
Paintable Frame					•	•
Low Maintenance	•	•	•	•	•	•
High Quality, Stain-Grade Wood Interior						•
Traditional Wood Look with Equal Sight Lines			•	•	•	•
Standard SunCoat® Low-E Glass	•	•	•	•	•	•
Custom Sizes	•	•	•	•	•	•
New Construction or Replacement	•	•	•	•	•	•
Full Lifetime Warranty	•	•	•	•	•	•
Glass Breakage Coverage				•	•	•
Factory Service Supported	•	•	•	•	•	•
Sound Control		•	•	•	•	•
ENERGY STAR® Rated Available		•	•	•	•	•

What window or door frame type is right for you? 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.





ARIZONA Phoenix

CALIFORNIA Hollister Sacramento Simi Valley Temecula

COLORADO Denver

ILLINOIS Chicago

NEVADA Las Vegas

OREGON Portland

TEXAS Dallas/Fort Worth

UTAH Salt Lake City

VIRGINIA Fredericksburg

WASHINGTON Tacoma

 $\label{eq:WoodClad} \ensuremath{\mathbb{W}} \ensurem$

Milgard Ultra™ and WoodClad[™] windows meet criteria for structural integrity and reliable performance established by the American Architectural Manufacturers Association (AAMA). Consult your Milgard representative for specific test information.

Due to continual product research and development all product details, test data, and attributes may be changed at any time without prior notification. For the most up to date information visit milgard.com.



1.800.MILGARD · milgard.com