



Essence™ Wood Windows & Doors



Clearly the best.™

A better wood window.

You'd expect nothing less from Milgard.

For almost fifty years, Milgard has been an industry leader in product innovation, delivering premium quality vinyl, aluminum and fiberglass windows and doors. To offer only the highest quality products, we were one of the first manufacturers to extrude our own vinyl and pultrude our own fiberglass structural components. In fact, our windows and doors are built so well that we back them with an industry-leading Full Lifetime Warranty with Glass Breakage Coverage.

We've also been delivering high levels of service to our dealer and contractor customers, saving them time and money. Once the windows are installed, your job is done. All warranty work is performed by Milgard and our own factory technicians.



▲ Essence Double Hung with mulled Radius

It all comes together in Milgard Essence™ Series.

New Essence Series windows are beautiful on the inside and Milgard tough on the outside. They have outstanding energy efficiency and innovative new features.

wood

When we set out to build a better wood window, good wasn't good enough. It had to live up to the Milgard name. Which is why we created a window that embodied beauty and strength.

+

fiberglass

Style and innovation. Comfort and dependability. Wood and fiberglass.

The Milgard Essence Series delivers it all, including something ordinary wood windows can't offer: a Full Lifetime Warranty with Glass Breakage Coverage.



■ Unsurpassed beauty and durability.

Essence™ Series windows and doors combine the beauty of wood on the interior with the strength and durability of a fiberglass exterior. Conventional wood windows rely on wood as the core structural material, and many rely on aluminum cladding or other composite materials to protect the wood. The problem: water will inevitably get behind the cladding as the silicone sealant deteriorates, which can cause rotting and damage. Milgard chooses to use a fiberglass exterior frame and exterior sash construction. Only fiberglass offers the long-term durability and dependability that enable us to back our wood windows with the Milgard Full Lifetime Warranty.

■ Reduced lead times.

With the Essence Series, you'll get your windows custom made to order and delivered to your jobsite in just two weeks. That's because Milgard windows are manufactured locally rather than made and shipped across the country to your jobsite. Think about it: our lead time is probably twice as fast as your current wood window supplier, and your windows are custom-built to your specifications within 1/8".

■ Advanced energy efficiency & performance.

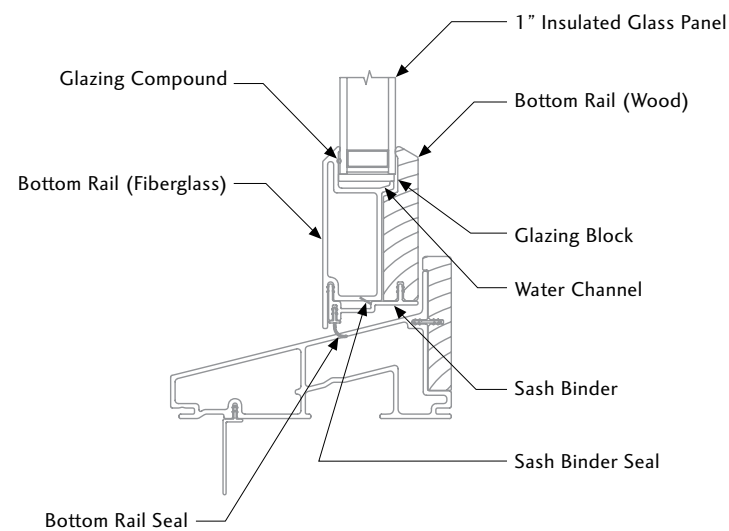
Milgard Essence™ Series windows and doors integrate the latest advances in design engineering and energy efficiency technology. They perform so well that they stand up to tough air and water infiltration testing and meet the 0.30/0.30 federal tax stimulus standard and 2010 ENERGY STAR® requirements in all zones with no costly energy upgrades. For those who want even more, we offer an optional energy package with triple glazing that is up to 30% more efficient than the base window package. Milgard Essence Series windows and doors also come standard with EdgeGardMAX™ spacers.

Essence design pressure ratings & thermal performance.

Configuration	Design Pressure	U-Value	Min Max
Double Hung (3050 test size)	DP 50	.30	4'0" by 8'0"
Casement (3050 test size)	DP 60	.29	3'0" by 7'0"
Glider (5040 test size)	DP 50	.30	8'0" by 6'0"
Awning (4030 test size)	DP 60	.29	5'0" by 5'0"

Design and thermal data are target design values and are subject to change.

New advanced water management system.



Milgard designs windows that are impervious to water. In the rare event that water enters the sash system, the new Milgard water management system keeps it away from the wood interior.

Water drains through a specially designed water channel and drainage holes. Water exits the sash behind the bottom rail seal, at no time coming in contact with the wood interior.

re-imagined

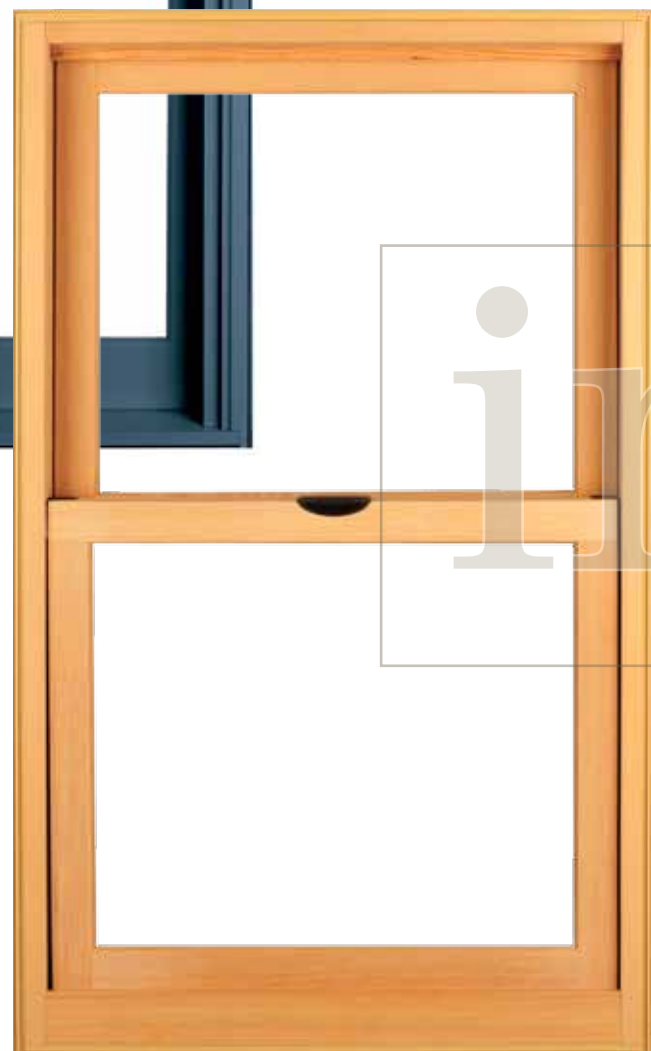


The anatomy of a better wood window.



▲ Evening Sky

- Superior water management with a concealed weep system.
- Combination windows use a secure mull system.
- New construction nail-on fin options.
- Optional factory-applied jamb extensions up to 12".
- Optional energy package that's up to 30% more energy-efficient than the standard offering.
- Triple glaze option for superior energy performance.
- Milgard Essence™ windows use a newly engineered mulling system that securely connects multiple units, creating a tight seal that protects against air and water infiltration.



▲ Vertical-grain Douglas Fir



Innovative tilt latches with recessed release, which give the window a sleek, clean look. Traditional latches open by pinching both latches simultaneously together, which can be difficult. The new Milgard tilt latches are almost as easy as pushing buttons on a computer keyboard.



Milgard's exclusive, intuitive SmartTouch™ lock is easy to use and has a sleek, low profile. This is ideal for contemporary homes. For a traditional look, we also offer a spoon lock option.

innovation

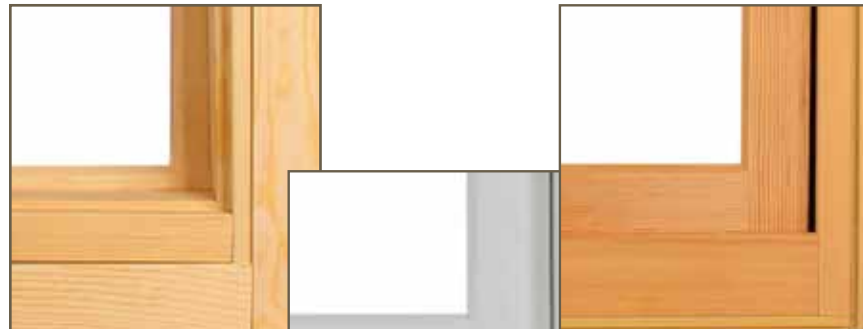


A new secure connecting system firmly joins the wood and fiberglass together. No fiberglass is exposed on the interior. And you don't have to worry about unsightly nail holes or spend time filling holes with putty.

The design flexibility to complement any home.

Beautiful interiors.

Milgard offers three wood species for the interior. Choose one of the following to match the style and design of your homes:



Pine

Primed wood

Vertical-grain Douglas Fir



◀ Durable fiberglass withstands the harshest elements.

Color that stays beautiful year after year.

color + style

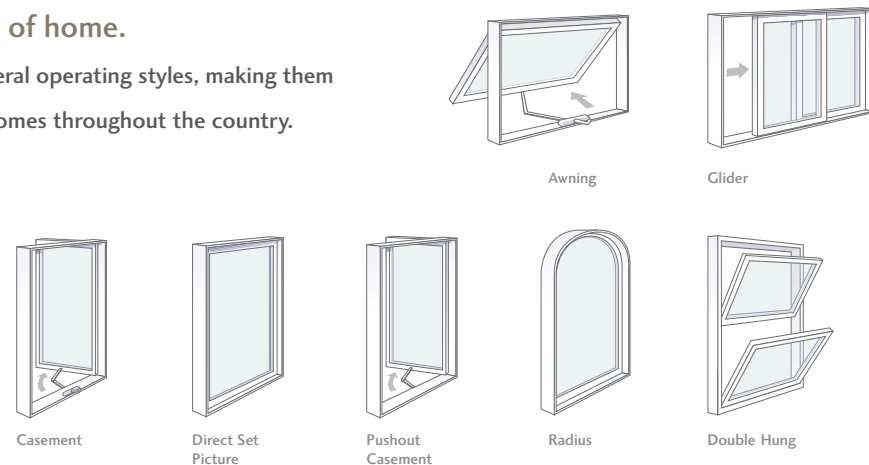


Milgard applies paint using the latest advances in powder-coat finishing technology – the same technology that’s used in aerospace and automotive applications. This makes our powder-coat much harder than conventional liquid or plastic finishes, providing increased protection against fading, chipping and scrapes. In fact, we are on target to have the only American Architectural Manufacturers Association (AAMA) rated fiberglass window finish. Milgard is also a registered member of Powder Coating Institute, which is committed to developing high-quality non-polluting finish technologies.



Operating styles for every type of home.

Milgard Essence™ Series is available in several operating styles, making them the ideal complement to many styles of homes throughout the country.



* Frost, Harmony, Fog and Bark are available within standard lead times. Other colors will have slightly longer lead times. Colors shown are approximate due to printing limitations.

Exterior finishes.

You or your homebuyers can choose from fifteen exterior fiberglass colors – each carefully selected to complement new and classic home styles.

Milgard also offers windows to fit most installation applications, including full insert and standard frames.

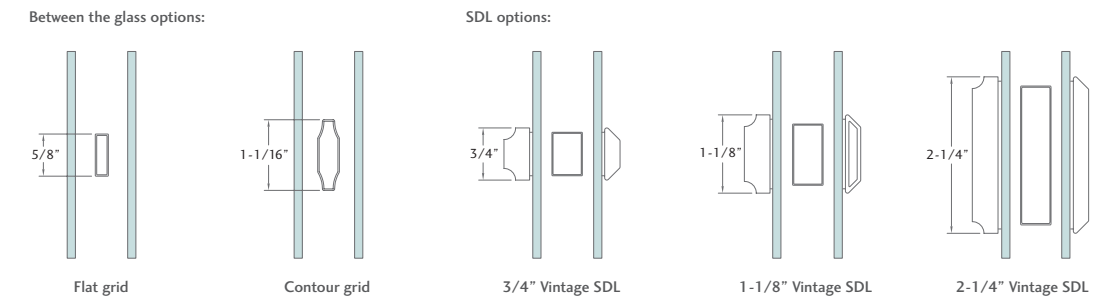
Design details. Re-imagined.

While many other window manufacturers use aluminum or wood trim, Milgard makes exterior trim from strong and dependable fiberglass. Unlike aluminum or wood, fiberglass stands up to the elements year after year. Using fiberglass also means our trim perfectly matches the exterior color of the window frame.

design

More design choices with grid options.

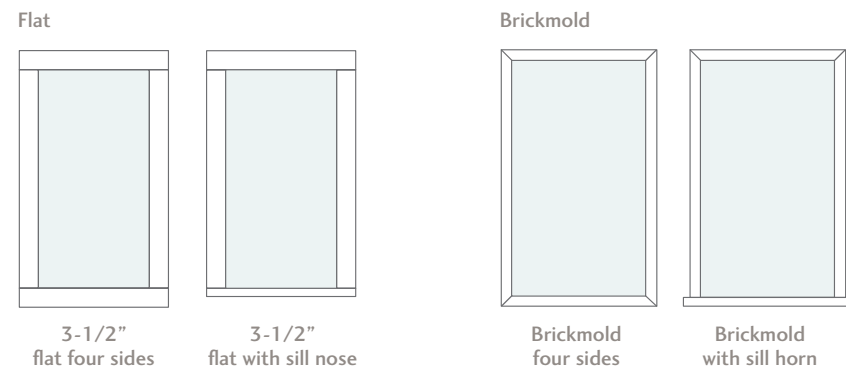
Milgard grids give you even more design flexibility. With Milgard Essence™, you can choose from several grid options:



Ask a Milgard sales representative about our new non-linear SDL options.

Choose from the following exterior accessories:

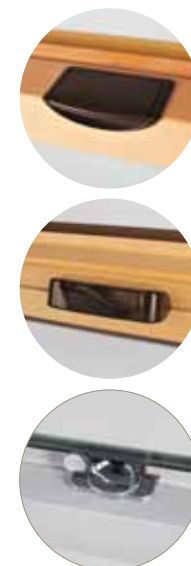
Milgard offers dozens of exterior configuration options. Below are a few of the most popular choices. Your Milgard dealer will be happy to help you choose the option that ideally suits your home or project.



- Nail fin options**
- Nail-fin setback (1" or 1-3/8")
 - Nail-fin length (1-3/8" or 2")

Complete the look with hardware.

Choose between the sleek and innovative Milgard SmartTouch™ Lock or the classic look of a Spoon Lock on our Double Hung and Gliding windows. Folding nesting operator handles are standard on Casements and Awnings.



Each is available in a wide range of finishes to match almost any design aesthetic.

Even sight lines among windows.

Milgard Essence Series windows have even sight lines among window styles, so when you combine windows with different operating styles you will have visual symmetry and an architecturally correct look. All of our operating styles are designed to have the same glass area for the same size windows.





Clearly a better wood window.

Milgard windows are built to out perform the competition.

	Milgard Essence™ Wood-fiberglass	Aluminum or Vinyl Clad Wood Competitor	Composite Competitor
Available in 15+ factory-finish colors.	Yes	Yes	No
Paintable	Yes	No	Yes
AAMA-rated paint finish (durability, weatherability)	Yes	Yes	No
Dent resistant	Yes	No	Yes
Strong—provides watertight structure of window	Yes (DP60 rating)*	Wood is structural (DP40-DP60)	Yes (DP50)
Looks like “real” wood window	Yes	Yes	No
Energy-efficient	Yes (0.30 U-factor)*	(0.30-0.31 U-factor)*	(0.30 U-factor)*

* Based on preliminary test simulations

Doors. Re-imagined.

Milgard Essence™ doors are the perfect complement to Milgard Essence windows. Like Milgard Essence windows, these doors combine the durability of a fiberglass exterior and the beauty of a wood interior in either pine or vertical-grain Douglas Fir.

Available in French swinging and French-style sliding doors. Choose any of our factory-painted exterior colors, available in three weeks or less.

Milgard Essence In-Swing and Out-Swing patio doors feature designer hardware, a multi-point locking system and operable sidelites. The hardware is available in the same finishes as the windows so you can give your homes a unified, consistent look.

Mastri hardware shown on this page.



Milgard Essence Series – Coming soon to your market.



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

Essence,[™] EdgeGardMAX[™] and SmartTouch[™] are trademarks of Milgard Manufacturing, Inc.

ENERGY STAR[®] is a registered trademark of the U.S. Department of Energy. Milgard Windows is proud to be an ENERGY STAR[®] partner, with all Essence Series products ENERGY STAR[®] qualified for all U.S. zones.



Clearly the best.[™]

1.800.MILGARD • milgard.com