Instructions on how to use this manual:

This document has been designed for easy navigation and to quickly click to the section you need. Here's some important tips on using this document:

• Any item printed in red, will click through to the corresponding item.

• Click to any item in the Table of Contents on page 3. Click on the Milgard logo at the top of any page to return to the Table of Contents - FULL MANUAL ONLY.

• From each section’s Quick Links page, click to any Drawing listed.

• From any Drawing page, click the “Go Back to Quick Links” box on the bottom right of the page to return to the list of drawings.

• Click on the links on the bottom of the page to go to Revit, SketchUp . PDF and .DWG files. Please note that you must have internet access for these links and you will be re-directed to the Milgard site.

• This document can also be navigated from Adobe Acrobat Bookmarks.

Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com or clicking here:

Technical Resources
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Rev0918

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About Trinsic™ Series

The Trinsic series vinyl window has the energy efficiency and low maintenance of vinyl with sleek, contemporary design and even sightlines.

The result is a window with maximum glass area. Available in white, tan, and clay (select regions), as well as premium painted exteriors. The windows will maintain their color and shape and can be constructed to your exact size specifications, subject to review.

COMPONENTS

Frame

Frame components are made from high performance polyvinyl chloride, available in White or Tan, with Clay available in select regions or premium painted upgrade window frames. Trinsic Series is designed to offer a sleek appearance, ideal for contemporary homes or whenever maximum glazing area and even sight lines are desired. Mitered corners are precision welded resulting in an air and water tight seal.

Standard window frame depth is 2-7/8", ideal for both new construction and use as a replacement window.

Nail-On Fin

A 1-1/16" pre-punched nail flange extends around the perimeter frame, securing the window in rough openings and acting as a part of the flashing system. The nailing fin may be removed as needed for block frame applications. Fin setbacks are available in 1-3/8” from outside of frame; also in 1” for our SW locations using 3 coat stucco applications (not available at all locations).

Weep System

Hollow sill construction and offset weep holes that release any accumulated moisture from track and help prevent blow back, or water seeping to the interior caused by a combination of wind and rain.

Glazing Material

AAMA approved glazing tape adheres glass to the fixed panel frame which seals and cushions the glass. Rigid vinyl setting blocks are used to support the unit above the sill, preventing glass slippage. Extruded vinyl glazing (snap-in) bead is applied around the exterior edge.

Glass insulating dual glazed panes are butyl sealed for energy efficiency. Specialty glass options are available upon request.

Vent Panel

The vent panel has an “L” shaped lip that fully interlocks with the meeting rail, adding security and preventing air and water penetration. Its roller assembly rides on a monorail track for easy operation and durability. This raised track in the frame sill helps keep the vent panel free from interference by foreign particles that may collect in the sill.
Weatherstripping

Silicone-treated water-repellent polypropylene fin seal weatherstripping provides a durable, weather tight seal. This weatherstripping is installed in an integral, continuous keyway around three sides of the vent panel and interlock.

Door Roller Assembly

Self-lubricating, wear resistant, dual nylon rollers provide flexible, free-wheeling, smooth and silent operation. The adjustable rollers are engineered for reduction of friction and elimination of torque on the vent frame.

Locking Assembly

A SmartTouch® window lock mechanism provides security and a tighter seal. The lock engages when the window is closed.

Screen

Screen frames are cambered aluminum, reinforced with rigid plastic corner clips. Screens come standard with matching exterior frame color.

The fiberglass charcoal screen mesh is strong, durable and easy to replace. Two plastic pulls located on the screen allow you to install from inside or outside of house.

Energy Packages

Milgard adheres to ENERGY STAR® v6 requirements to meet or exceed U-Factor and Solar Heat Gain Coefficient (SHGC) criteria for all ENERGY STAR® zones.

Milgard also offers high energy performance options for the ultimate in energy efficiency. Energy efficient windows could include one or more of the following features based on your climate.

- SunCoat® or SunCoatMAX®
- EdgeGardMAX®
- Argon or Krypton
- 4th Surface

For more details on Milgard Energy Efficient packages, visit www.milgard.com/learn/energy-efficiency/energy-efficient-components

To check the energy performance of all Milgard windows and doors, use our Energy Calculator at:

milgard.com/energy-calculator

OPTIONS

Grids

Available in:

- 5/8” flat*
- 1-1/16” sculptured*
- 7/8” Simulated Divided Lite

*Premium vinyl exterior colors include coordinating color grids.

Glass

Refer to glass section. Many more options are available. Please check with your Milgard Representative.

Caution: The use of petroleum based fuels or solvents as release agents in stucco wall installations or glass cleaning will chemically attack materials used in seals and other components, and voids the Milgard Warranty. The use of wax based release agents is recommended.

Expanding foam for insulation purposes should not be used.
Window and Door Hardware

Single Hung and Horizontal Slider

SmartTouch® Lock – Closes and locks window securely in one action.

Casement and Awning

Folding Nesting Handle with Sash Lock

Door Handles

Contemporary (standard) Premium (upgrade) Exterior
**Premium Exterior Vinyl Finishes**

**Standard** - Matching interior

- **White**
- **Tan**
- **Clay** (available in select regions)

**Premium** - White interior only

- **Bronze**
- **Espresso**
- **Classic Brown**
- **Tweed**
- **Silver**
- **Fog**
- **Sand**
- **Ivory**
Full Lifetime Warranty

At Milgard, we build our windows and doors to last. With the dedication to quality that we put into building the best windows in the business, it wouldn’t make sense to back them with anything but the best warranty in the business. That’s why we back every properly installed window and door for as long as the homeowner owns their home—including parts and labor.

It’s why you can be sure you won’t find any windows better than Milgard.

For complete warranty details, visit milgard.com.

Why Milgard?

Quality

Milgard offers award-winning windows and patio doors built for long-lasting comfort. For over 50 years, industry experts have consistently recognized Milgard as a trusted brand. By producing our vinyl and fiberglass frame materials in-house, we can more closely monitor for quality control. Milgard windows and patio doors stand up, while standing out.

Experience

Since 1962, Milgard Windows & Doors has designed and assembled superior, top quality windows and patio doors, backed with a Full Lifetime Warranty. Milgard engineers are known for their industry-leading designs using patented technologies. Whatever your project calls for, Milgard has the right product that can beautifully reflect your vision. From new construction to home remodeling, all Milgard windows and doors are custom made to your exact specifications.

Service

We serve the Western U.S. and Canada with a dozen full-service facilities and customer care centers. Our belief is that by being close to our customers, we can provide them better service.
Casement Window

The Trinsic™ Series vinyl (PVC) Casement window blends the energy efficiency and low maintenance of vinyl with clean lines and even sightlines.

The result is a window with maximum glass area. Available in white, tan, and clay (select regions), as well as premium painted exteriors. The windows will maintain their color and shape and can be constructed to your exact size specifications.

Please also see:

Components
Options
Hardware
Premium Exterior Vinyl Finishes
Full Lifetime Warranty
Casement Window

Configurations

Minimum/Maximum Sizes

Full Casement
- Min 1\text{6} \text{ in} \hspace{1cm} \text{Max 3\text{0}5\text{0} in}

Single Casement
- Min 2\text{3}1\text{6} \text{ in} \hspace{1cm} \text{Max 6\text{6}6\text{0} in}

Double Casement Picture
- Min 3\text{8}1\text{6} \text{ in} \hspace{1cm} \text{Max 12\text{5}0 in}

Available Frame Styles

1-3/8" Fin Setback
1" Fin Setback with J-channel
1" Fin Setback with Stucco Key
1-1/2" Contour Z-bar
Block Frame (no fin)

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. Varies by location.

Not all frame styles available at all Milgard locations. Contact your Milgard Representative for more information.
## Drawings - Quick Links

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Revit, SketchUp, .PDF and .DWG files can be accessed at [milgard.com/professionals/technical-resources](http://milgard.com/professionals/technical-resources)
Casement Window

Single Casement - 1-3/8” Fin Setback

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Casement Window
Full Casement - 1-3/8” Fin Setback

CAD File Scale
View
File Name
Units
Revision
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Horizontal & Vertical
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2/2020

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Casement Window

Double Casement - 1-3/8” Fin Setback

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Casement Window

Single Casement - 1” Fin Setback with stucco key

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Casement Window

Full Casement - 1” Fin Setback with stucco key

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## Casement Window

**Single Casement - 1” Fin Setback, 3/4” Flat J-channel**

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**CASEMENT**  
**SERIES 2530J**

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Casement Window
Full Casement - 1” Fin Setback, 3/4” Flat J-channel

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## Casement Window

Double Casement - 1” Fin Setback, 3/4” Flat J-channel

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**DOUBLE CASEMENT**

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Casement Window — 42
Casement Window
Single Casement - 1-1/2” Contour Z-bar

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Casement Window
Double Casement - 1-1/2" Contour Z-bar
Casement Window

Single Casement - Block Frame

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Casement Window

Full Casement - Block Frame

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Casement Window

Double Casement - Block Frame

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