

Casement/Awning

NEW CONSTRUCTION



Casement/Awning Window Features

FEATURES AND BENEFITS

















































































































- Fully welded frame and sash corners assures strength, durability, and years of trouble-free service in the home
- Heavy duty locks and operators provide long lasting security and ease of operation
- 3/4" insulated glass is standard with many glazing options available
- SuperSpacer® Warm Edge Glass Spacer System
- Casement will open a full 90° for maximum ventilation and easy cleaning from inside your home (On units not utilizing egress hardware)
- Heavy extrusion walls are thicker than most other windows providing better structural integrity
- Patented J Channel aesthetically conceals siding and eliminates the need for snap-in accessories
- Integral pre-punched nailing fin for easy and accurate installation
- Heavy duty weatherstripping on frame and sash for protection against air and water infiltration
- Multi-point locking system locks casement at multiple points, for added security
- Egress hardware is an option on appropriately sized units to meet Egress requirements
- Available in a variety of window styles and matching geometric shapes
- Corrosion resistant hardware assures years of trouble free performance
- Standard PVC colors include white, tan, and clay with a variety of optional exterior colors available

✓ **Nesting handle that folds in for storage**











































Window Sizes

Picture Window

R.O. *	12"	18"	20"	24"	28"	28 1/2"	30"	32"	36"	40"	44"	48"	52"	60"	66"	72"
Unit Size	11 1/2"	17 1/2"	19 1/2"	23 1/2"	27 1/2"	28"	29 1/2"	31 1/2"	35 1/2"	39 1/2"	43 1/2"	47 1/2"	51 1/2"	59 1/2"	65 1/2"	71 1/2"
36"																
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66"																
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72"																
71 1/2"																

■ (T) Any Picture window 132 total U.I. and larger or exceeds 80" in any direction requires tempered glass.

Awning

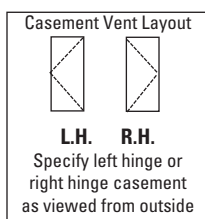
R.O. *	24"	28"	28 1/2"	32"	30"	36"	40"	48"
Unit Size	23 1/2"	27 1/2"	28"	31 1/2"	29 1/2"	35 1/2"	39 1/2"	47"
18"								
17 1/2"								
20"								
24"								
23 1/2"								
28"								
27 1/2"								
36"								
35 1/2"								

Call out sizes are expressed in inches and equal rough opening.

* For multiple units, add rough opening sizes together, do not allow for mullion.
(Example: twin 24x36 = 48x36 R.O.)

































































■ Meets egress of:
Clear openable area ≥ 5.7 sq.ft.
Clear openable width ≥ 20"
Clear openable height ≥ 24"

† Requires egress hardware



Egress sizes will differ between single and multiple units.
Call ViWinTech to verify egress sizes on all operable twin, triple and other multiple casement sizes.

Casement

R.O. *	18"	20"	24"	28"	28 1/2"	30"	32"	36"
Unit Size	17 1/2"	19 1/2"	23 1/2"	27 1/2"	28"	29 1/2"	31 1/2"	35 1/2"
18"								
23 1/2"								
24"								
35 1/2"								
41 1/2"								
47 1/2"								
59 1/2"								
65 1/2"								
71 1/2"								

Emax High Performance Glass System

A Better Choice...

Warm Edge Technology

Poorly insulated windows can attribute up to 25 percent of a building's heating and cooling loads. As a homeowner, it is just as important to know what type of glass package (or glazing) is going into the window. The type of spacer material in your windows can make or break your investment.

In order to overcome the thermal inefficiency of conventional aluminum spacers, a new type of spacer product called warm edge technology has evolved in the industry. Warm edge refers to the type of spacer material used to separate the panes of glass (or glazing) in an insulated window unit. If the material conducts less heat or cold than a conventional aluminum spacer at the edge of the glass, it is said to be "warm-edge." Most of these newer spacers are less conductive and outperform pure aluminum. But there's still one small problem - they all contain some kind of metal. And metal is highly conductive. With Super Spacer your windows will remain thermally-efficient and condensation-free for many years to come.

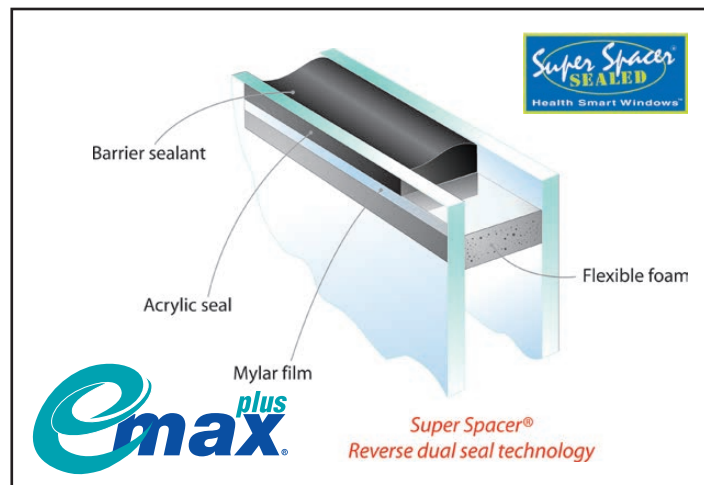
Condensation occurs first around the window's edge - where the glass insulates least effectively and where surface temperatures are the coldest. If a standard "cold edge" spacer exists and outside temperatures fall to 0°F condensation will form on the glass edge even in homes with as little as 15% relative humidity. The solution to condensation formation on glass is to increase the thermal efficiency of the edge of the glass: the window's weak link. Substitute Super Spacer a superior warm edge spacer and the inside humidity can go substantially higher before condensation forms on the glass. The problem is virtually eliminated.

Emax Plus® High Performance Glass System

For maximum energy efficiency, savings and comfort, ViWinTech offers optional Emax Plus® glass standard on the Signature casement/awning series window line. Emax Plus® utilizes SuperSpacer® and a specially formulated invisible coating that is bonded to the interior surface of the insulating glass unit. This coating actually blocks long wave (heat) radiation by reflecting it back to its source. This specially formulated coating is coupled with an inert gas that provides additional insulating value to help slow down the transfer of heat from the outside in the summer or inside in the winter.

What does this mean to you? Energy savings. In the summer, the sun is high in the sky. Visible light from the sun strikes the earth and is converted to long wave heat radiation. Your home can actually absorb this heat radiation, even though the sun is not shining directly through the windows. Emax glass reflects this unwanted heat back outside, helping to reduce the load on your air conditioner, and also reduce your energy costs.

We reserve the right to change the products and/or specifications at any time without notice and assume no responsibility for use of outdated printed matter. All trademarks are the property of their respective owners. All Rights Reserved.



Conversely, in the winter, the sun is low in the sky. Visible sunlight passes easily through the Emax glass and is converted to long wave heat radiation inside your home. As these heat waves move toward the outside, they strike the Emax glass, and are reflected back inside your home, keeping your home warmer, reducing your heating costs.

The Emax coating blocks not only long wave radiation, but also effectively blocks ultraviolet radiation that can damage fabrics and carpets. Emax Plus® High Performance Glass System does all this, while still letting in plenty of natural unobscured daylight.

A Clear Choice

By combining warm edge technology (SuperSpacer®) with Emax Plus® High Performance Glass, your windows are able to resist moisture from condensation. And less moisture means less potential for mold and mildew around your windows. These advances in glass technology and spacer systems offer you a clearer view to your world.

A better insulating value (R-value/U-value) is realized when using either Emax® or Emax Plus®.

ViWinTech has Energy Star® rated windows for your area. Your Local Distributor will be able to get the proper information that you will need for Energy Star® certification.

* Emax® and Emax Plus® high performance glass systems are options with many ViWinTech windows.



Grille Options

* Aluminum grille between Vintage Grilles may not be available in certain models.



Flat 5/8"



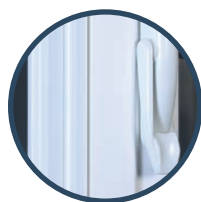
Contour 3/4"



Vintage Grille (SDL)
7/8"

Locks

- White, Tan or Clay



Glass

- Clear
- Emax®
- Emax Plus®
- Tinted
- Tempered
- Obscure

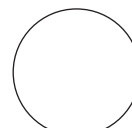


Colors

SOLID PVC



Tan



White



Clay

A variety of optional exterior colors available



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