



VIWINTeCH[®]
WINDOWS & DOORS

Casement / Awning



Windows for Replacement

Casement/Awning



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.
 - Casement will open a full 90° for maximum ventilation and easy cleaning from inside your home.*
 - Heavy extrusion walls are thicker than most other windows providing better structural integrity.
 - 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.
 - Patented frame design includes a sloped sill that assures water run-off.
 - Optional egress hinge will allow for smaller windows to meet egress requirements.
 - Corrosion resistant hardware assures years of trouble free performance.
 - Standard PVC colors include white and tan, with a variety of optional exterior colors available
 - Available in a variety of window styles and matching geometric shapes
 - Fiberglass mesh screens
 - SuperSpacer® Warm Edge Glass Spacer System
 - ENERGY STAR compliant in all regions of the U.S. when using Emax plus®
- ✓ **Nesting handle that folds in for storage**

Awning windows can be used in many combinations

* Egress hinges may not permit cleaning the exterior glass surface from inside the house.

Additional Window Styles



Picture Windows

- Mulling system allows picture windows to be mullied to any other window
- Equal sight lines assure uniform exterior appearance of all units



Gliders

- Two sets of single-wheeled rollers assure effortless sash travel
- Roller housing transfers weight of glass directly to frame, reducing stress
- Independent weep chambers on frame assure effective water runoff
- Unique beveled exterior frame matches the look of double hung and picture windows, to provide a uniform exterior appearance



Special Windows

- Fully welded frame and sash corners assures strength, durability and years of trouble-free service in the home.
- 3/4" insulated glass is standard with many glazing options available.
- Reinforced mullions for assured strength and stability.



Emax High Performance Glass System

A Better Choice...

Warm Edge Technology

Today more than ever, homeowners are replacing their old worn out windows with energy efficient replacement windows. 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.

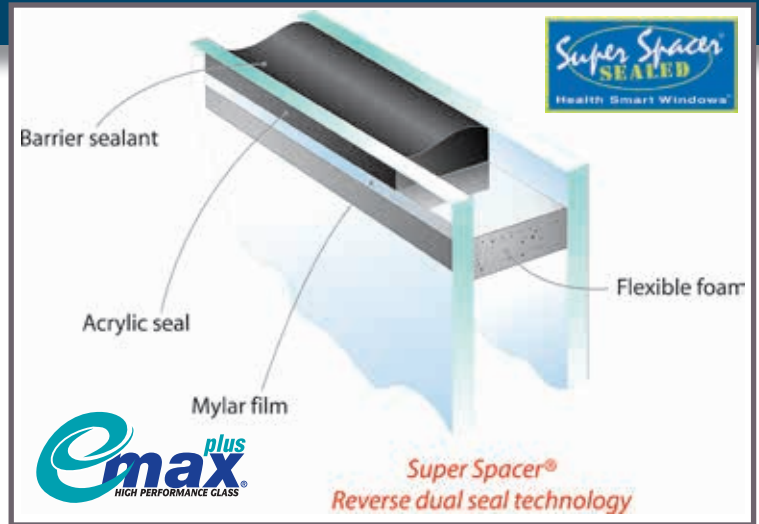
In order to overcome the thermal inefficiency of conventional aluminum spacers, a new type of spacer product called warm edge technology has evolved in the industry. Warm edge refers to the type of spacer material used to separate the panes of glass (or glazing) in an insulated window unit. If the material 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 Ultra® High Performance Glass System

For maximum energy efficiency, savings and comfort, ViWinTech offers optional Emax Plus glass on the Signature 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.



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 Ultra 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®.

* All ViWinTech windows and doors with Emax plus are ENERGY STAR compliant in all regions of the United States.



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Colors and Optional Woodgrain

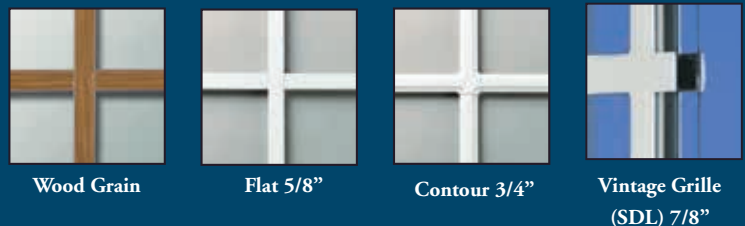


A variety of optional exterior colors available

Call for the availability of other woodgrain colors.



Grille Options



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

Glass Options

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



www.viwinotech.com