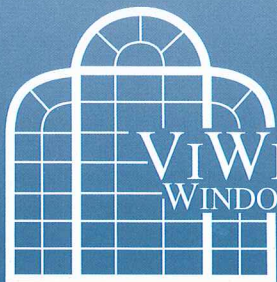


# 2100

NEW CONSTRUCTION



VIWINTeCH<sup>®</sup>  
WINDOWS & DOORS

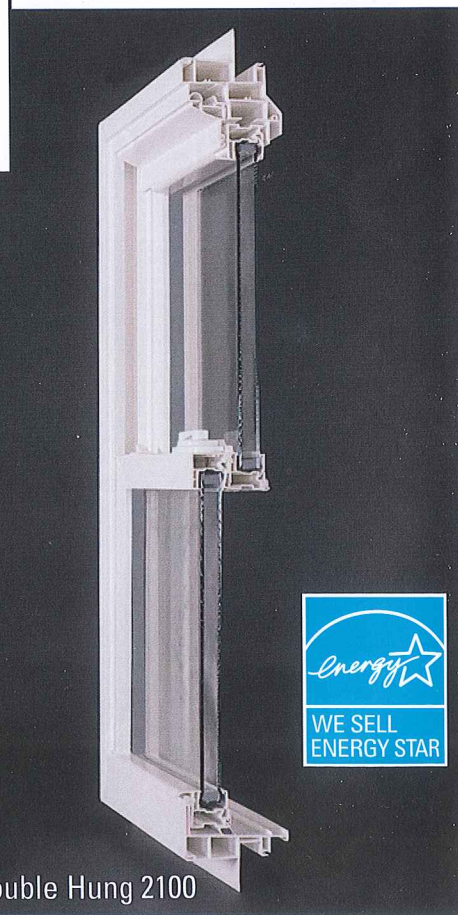
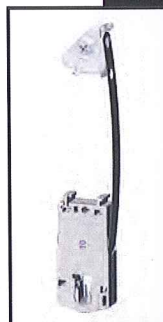
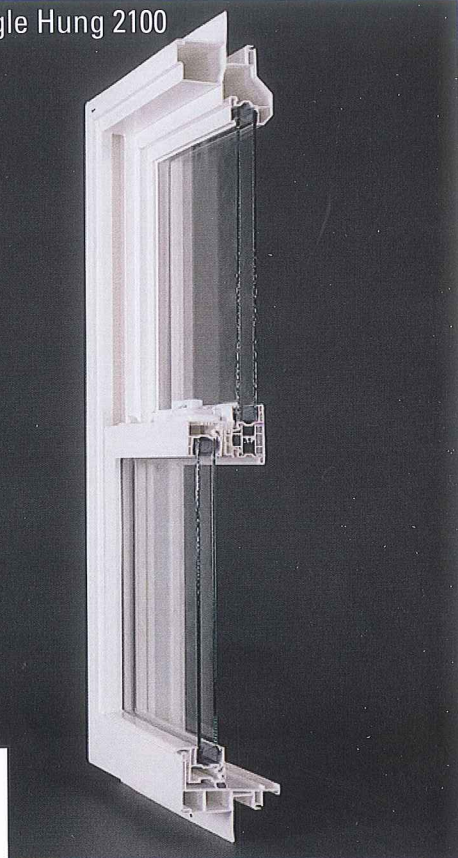


# 2100 Window Features

## FEATURES AND BENEFITS

- Fully welded frame and sash corners assures strength, durability and years of trouble-free service in the home
- Designer composite cam locks and keepers provide security and performance that exceeds metal / zinc locks
- 3/4" insulated glass is standard with many glazing options available
- Positive interlock at meeting rail for added security and structural integrity
- Heavy duty weatherstripping on frame and sash for protection against air and water infiltration
- Time tested maintenance free constant force coil balances designed for years of smooth, easy sash operation and never needs adjustment
- Solid vinyl warranted against rotting, rusting, cracking, warping, pitting, corroding, peeling, blistering and color failure
- Patented Integral J Channel aesthetically conceals siding and eliminates the need for snap-in accessories
- Integral, pre-punched nailing fin for easy and accurate installation
- Molded-In sash lift rail for easy operation
- Standard PVC colors include white, tan and clay with a variety of optional exterior colors available
- Sashes tilt-in for easy cleaning
- Available in a variety of window styles and matching geometric shapes
- DH, SH, SG, TLG, PW and Geometrics all have matching exterior profiles

Single Hung 2100











































































Double Hung 2100



# 2100 Window Sizes

## Single Hung

Rough Opening *	20"	24"	28"	30"	32"	36"	40"	44"	48"
Unit Size	19 1/2"	23 1/2"	27 1/2"	29 1/2"	31 1/2"	35 1/2"	39 1/2"	43 1/2"	47 1/2"
36"	 SH2036	 SH2436	 SH2836	 SH3036	 SH3236	 SH3636	 SH4036	 SH4436	 SH4836
44"	 SH2044	 SH2444	 SH2844	 SH3044	 SH3244	 SH3644	 SH4044	 SH4444	 SH4844
48"	 SH2048	 SH2448	 SH2848	 SH3048	 SH3248	 SH3648	 SH4048	 SH4448	 SH4848
52"	 SH2052	 SH2452	 SH2852	 SH3052	 SH3252	 SH3652	 SH4052	 SH4452	 SH4852
60"	 SH2060	 SH2460	 SH2860	 SH3060	 SH3260	 SH3660	 SH4060	 SH4460	 SH4860
63"	 SH2063	 SH2463	 SH2863	 SH3063	 SH3263	 SH3663	 SH4063	 SH4463	 SH4863
66"	 SH2066	 SH2466	 SH2866	 SH3066	 SH3266	 SH3666	 SH4066	 SH4466	 SH4866
72"***	 SH2072	 SH2472	 SH2872	 SH3072	 SH3272	 SH3672	 SH4072	 SH4472	 SH4872

### Callout Sizes:

Callout sizes are expressed in inches and equal rough opening.

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

\*\* Visible glass width of the upper fixed lite is equal to the visible glass width of the lower sash. SH 2100 only.

The single hung and double hung is also available as oriel or cottage style.

Oriel style: 60% top sash, 40% bottom sash.

Cottage style: 40% top sash, 60% bottom sash.

## 2100 SH OPTIONS

### Grilles:

Flat and Contour between the glass as well as Simulated Divided Lite (SDL) Vintage Grilles are available in all 2100 windows, both standard and custom sizes.

### Glazing:

Glazing options include Emax® and Emax plus® high performance glass, including tinted, obscure glass and tempered glass.

### Colors:

2100 windows standard PVC colors include White, Tan and Clay with a variety of optional exterior colors available.

### Screens:

Half screens (SH, SG) Full (DH) with fiberglass mesh and color coordinated aluminum frames are standard. Aluminum mesh and aluminum extruded frame are an available option.

### Mullions:

2100 windows can be mulled in the factory or on-site using the appropriate fasteners. Call your distributor for details.

■ Meets egress of:  
Clear openable area ≥ 5.0 sq.ft.  
Clear openable width ≥ 20"  
Clear openable height ≥ 24"

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

## NFRC Test Results ( National Fenestration Rating Council )

Spacer Type	SINGLE HUNG				DOUBLE HUNG				PICTURE WINDOW/GEO				SINGLE/3 LITE GLIDER			
	Intercept		Advanced E-Max		Intercept		Advanced E-Max		SuperSpacer		Advanced E-Max		Intercept		Advanced E-Max	
Low-E Type	E-Max (Low-e2) w/ Argon		Advanced E-Max (Low-e3) w/ Argon		E-Max (Low-e2) w/ Argon		Advanced E-Max (Low-e3) w/ Argon		E-Max (Low-e2) w/ Argon		Advanced E-Max (Low-e3) w/ Argon		E-Max (Low-e2) w/ Argon		Advanced E-Max (Low-e3) w/ Argon	
	No Grids	w/Grids	No Grids	w/Grids	No Grids	w/Grids	No Grids	w/Grids	No Grids	w/Grids	No Grids	w/Grids	No Grids	w/Grids	No Grids	w/Grids
U-Factor	0.30	0.30	0.30	0.30	0.29	0.29	0.29	0.29	0.28	0.28	0.28	0.28	0.30	0.30	0.30	0.30
SHGC	0.29	0.26	0.22	0.20	0.29	0.26	0.21	0.19	0.30	0.27	0.22	0.20	0.29	0.26	0.22	0.20
VT	0.55	0.49	0.51	0.45	0.54	0.49	0.50	0.45	0.56	0.50	0.52	0.47	0.55	0.49	0.51	0.45
CR	56	56	56	56	56	56	57	57	61	61	63	63	56	56	57	57

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.

Superior Comfort and Energy Savings - Our vinyl window technology maximizes comfort and minimizes heating & cooling costs by keeping heat where you want it regardless of the climate or season. In warm weather the 2100 series vinyl windows keep cool air inside and hot air outside, decreasing your summer cooling costs. In cold weather the 2100 series vinyl windows keep warm air inside and cold air outside, decreasing your winter heating costs.



# 2100 Window Sizes

## Double Hung

Rough Opening *	20"	24"	28"	30"	32"	36"	40"	44"	48"
Unit Size	19 1/2"	23 1/2"	27 1/2"	29 1/2"	31 1/2"	35 1/2"	39 1/2"	43 1/2"	47 1/2"
36"	DH2036	DH2436	DH2836	DH3036	DH3236	DH3636	DH4036	DH4436	DH4836
44"	DH2044	DH2444	DH2844	DH3044	DH3244	DH3644	DH4044	DH4444	DH4844
48"	DH2048	DH2448	DH2848	DH3048	DH3248	DH3648	DH4048	DH4448	DH4848
53"	DH2052	DH2452	DH2852	DH3052	DH3252	DH3652	DH4052	DH4452	DH4852
60"	DH2060	DH2460	DH2860	DH3060	DH3260	DH3660	DH4060E	DH4460	DH4860
66"	DH2066	DH2466	DH2866	DH3066	DH3266	DH3666E	DH4066	DH4466	DH4866
72"	DH2072	DH2472	DH2872	DH3072	DH3272	DH3672	DH4072	DH4472	DH4872

### Callout Sizes:

Callout sizes are expressed in inches and equal rough opening.

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

\*\* Visible glass width of the upper fixed lite is equal to the visible glass width of the lower sash. SH 2100 only.

The single hung and double hung is also available as oriel or cottage style.

Oriel style: 60% top sash, 40% bottom sash.

Cottage style: 40% top sash, 60% bottom sash.

The 3666 and 4060 window will not meet egress unless specified when ordering. (Must pick Egress Hardware)

## 2100 DH OPTIONS

### Grilles:

Flat and Contour between the glass as well as Simulated Divided Lite (SDL) Vintage Grilles are available in all 2100 windows, both standard and custom sizes.

### Glazing:

Glazing options include Emax® and Emax plus® high performance glass, including tinted, obscure glass and tempered glass.

### Colors:

2100 windows standard PVC colors include White, Tan and Clay with a variety of optional exterior colors available.

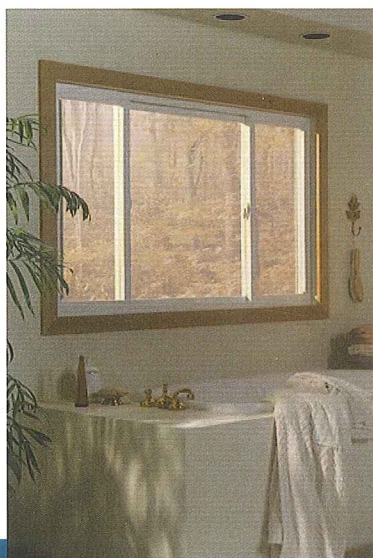
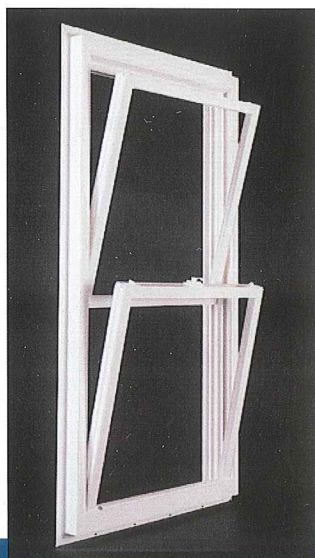
### Screens:

Half screens (SH, SG) Full (DH) with fiberglass mesh and color coordinated aluminum frames are standard. Aluminum mesh and aluminum extruded frame are an available option.

### Mullions:

2100 windows can be mulled in the factory or on-site using the appropriate fasteners. Call your distributor for details.

- Meets egress of:  
Clear openable area ≥ 5.0 sq.ft.  
Clear openable width ≥ 20"  
Clear openable height ≥ 24"
- Meets egress of:  
Clear openable area ≥ 5.7 sq.ft.  
Clear openable width ≥ 20"  
Clear openable height ≥ 24"



# Emax High Performance Glass System

A Better Choice...

## Warm Edge Technology

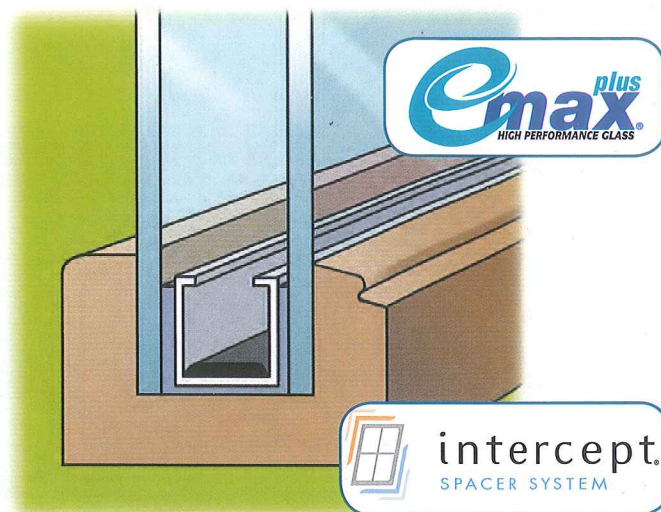
Warm Edge Technology is a revolutionary patented system that helps increase the overall thermal efficiency of sealed insulating glass units. At the heart of the system is the Intercept® spacer system featuring a unique, one-piece tin-plated, U-channel design that creates an effective thermal barrier to help reduce conducted heat loss through the window. Its sealed, one-piece design makes Intercept spacers stronger and better at retaining insulating gas than many conventional designs. Intercept spacers are so energy efficient that they keep the edges of the window glass warmer, so your home feels more comfortable in the winter.

## Emax® High Performance Glass

For maximum energy efficiency, savings and comfort, ViWinTech offers optional Emax or Emax plus Glass. Emax utilizes 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.

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 High Performance Glass does all this, while still letting in plenty of natural unobscured daylight.

## A Clear Choice

By combining warm edge technology with optional Emax or Emax plus High Performance Glass, your windows are better 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.

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.

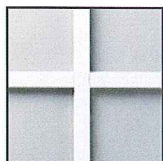
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American  
Architectural  
Manufacturers  
Association

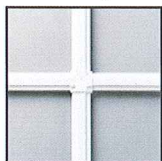


## Grille Options

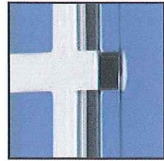
\* Aluminum grille between Vintage Grilles may not be available in certain models.



Flat 5/8"



Contour 3/4"



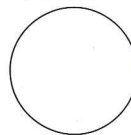
Vintage Grille (SDL)  
7/8"

## Colors

SOLID PVC



Tan



White



Clay

A variety of optional exterior colors available

## Glass Options

- Clear
- Emax®
- Advanced Emax
- Tinted
- Tempered
- Obscure

















































































































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





































# 2100 Window Sizes

## Picture Window

Rough Opening *	12"	20"	24"	28"	30"	32"	36"	40"	44"	48"	52"	60"	66"	72"
Unit Size	11 1/2"	19 1/2"	23 1/2"	27 1/2"	31 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"	 PW1236	 PW2036	 PW2436	 PW2836	 PW3036	 PW3236	 PW3636	 PW4036	 PW4436	 PW4836	 PW5236	 PW6036	 PW6636	 PW7236
44"	 PW1244	 PW2044	 PW2444	 PW2844	 PW3044	 PW3244	 PW3644	 PW4044	 PW4444	 PW4844	 PW5244	 PW6044	 PW6644	 PW7244
48"	 PW1248	 PW2048	 PW2448	 PW2848	 PW3048	 PW3248	 PW3648	 PW4048	 PW4448	 PW4848	 PW5248	 PW6048	 PW6648	 PW7248
52"	 PW1252	 PW2052	 PW2452	 PW2852	 PW3052	 PW3252	 PW3652	 PW4052	 PW4452	 PW4852	 PW5252	 PW6052	 PW6652	 PW7252
60"	 PW1260	 PW2060	 PW2460	 PW2860	 PW3060	 PW3260	 PW3660	 PW4060	 PW4460	 PW4860	 PW5260	 PW6060	 PW6660	 PW7260
63"	 PW1263	 PW2063	 PW2463	 PW2863	 PW3063	 PW3263	 PW3663	 PW4063	 PW4463	 PW4863	 PW5263	 PW6063	 PW6663	 PW7263 (T)
66"	 PW1266	 PW2066	 PW2466	 PW2866	 PW3066	 PW3266	 PW3666	 PW4066	 PW4466	 PW4866	 PW5266	 PW6066	 PW6666	 PW7266 (T)
72"	 PW1272	 PW2072	 PW2472	 PW2872	 PW3072	 PW3272	 PW3672	 PW4072	 PW4472	 PW4872	 PW5272	 PW6072	 PW6672 (T)	 PW7272 (T)

(T) Any Picture window over 30 square feet or exceeding 80" in any one direction requires tempered glass. Please price unit(s) accordingly.

## Single Glider

Rough Opening *	24"	36"	48"	52"	60"	72"	84"	96"
Unit Size	23 1/2"	35 1/2"	47 1/2"	51 1/2"	59 1/2"	71 1/2"	83 1/2"	95 1/2"
24"	 SG2424	 SG3624	 SG4824	 SG5224	 SG6024	 SG7224	 SG8424	 SG9624
36"	 SG2436	 SG3636	 SG4836	 SG5236	 SG6036	 SG7236	 SG8436	 SG9636
42"	 SG2442	 SG3642	 SG4842	 SG5242	 SG6042	 SG7242	 SG8442	 SG9642
48"	 SG2448	 SG3648	 SG4848	 SG5248	 SG6048	 SG7248	 SG8448	 SG9648
60"	 SG2460	 SG3660	 SG4860	 SG5260	 SG6060	 SG7260	 SG8460	 SG9660

Callout sizes are expressed in inches and equal rough opening.

XO is standard as viewed from outside.

OX is available as a special order.

X = Operable

O = Stationary

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

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

Meets egress of:  
Clear openable area ≤ 5.0sq.ft.  
Clear openable width ≤ 20"  
Clear openable height ≤ 24"

Call for Three Lite Glider Sizes and Information.

