

# WESTERN WINDOW

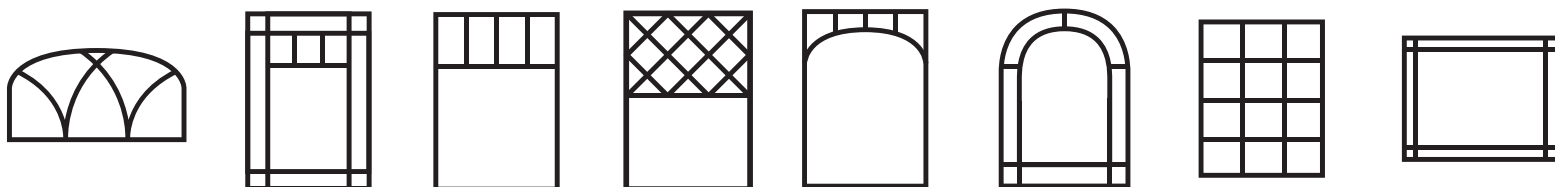


by Western Window

# Features & Benefits

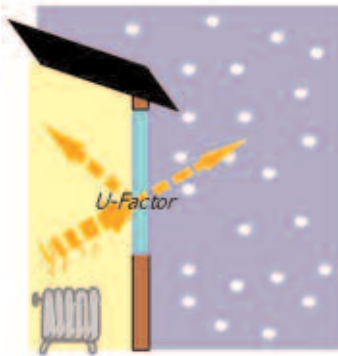
Feature	Benefit
Beveled frame and equal site lines	Rich detail and aesthetically pleasing
Specially formulated, maintenance free vinyl	No painting, won't rot or flake
Tilt-in sash on single hung windows	Easy cleaning
Lift out sash (horizontal sliders)	Easy cleaning
Adjustable tandem rollers	Easy operation and secured seal
Removable sill track	Easy operation and cleaning
Full length interlock	Enhanced security while reducing air infiltration, dual W/S
Finseal weather-stripping	Protects against air and water infiltration
Positive action lock	Security—passes all CA forced entry codes, locks when window is shut
1 1/4" pre-punched nail fin with welded corners	Weathertight and easy to install
Fully reinforced lock and meeting stiles	Insures performance and integrity
Interior glazing	Easily re-glazed from inside, aesthetically preferred
Removable fiberglass mesh screen	Easy maintenance and cleaning
7/8" nail fin setback	Allows convenient installation for various construction materials and styles
.70 mil exterior wall thickness	Strength and stability of frame and sash
Dedicated picture frame	Compliments the main frame, designed to accommodate large sizes
Welded frame and sash	Provides excellent unit strength and structural performance
Integral sash/meeting rail interlocks with weather stripping	Ensures weathertight, joint free surfaces on the interior
3/4" insulated glass	Provides optimal thermal performance
Clear grid buttons	Secures grid and reduces noise from rattling
"T" mullion	Reduces cost of twin and triple units; improves the appearance
Hollows in the frames, sash and meeting rail	For maximum reinforcement of large size units and maximum thermal performance
Structural testing per AAMA thermal testing/simulations per NFRC	Documented performance results from recognized national agencies
Baffled weep system	Improved drainage and reduced air infiltration
White & almond colors	Design flexibility

*A wide selection of grid patterns are available.*



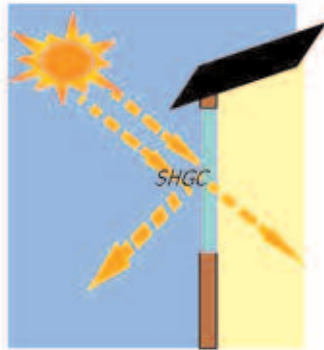
The engineering of the Guardian Climaguard Low-E and the Duraseal spacer system together offer a lifetime of efficiency in hot and cold climates.

*Low-E Glass keeps the heat where you want it, regardless of the climate or season.*



Retains furnace heat, keeping you warm when it's cold outside.

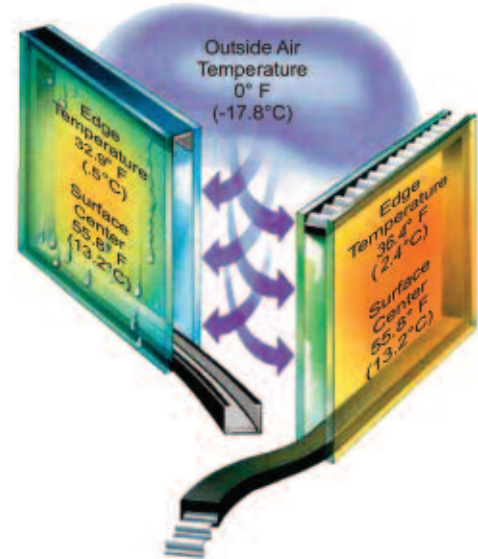
Rejects excessive solar heat, keeping you cool when it's hot outside.



- Uses direct heat from the sun in winter.
- Blocks radiant heat from sidewalks or landscaping in the summer.

*Improved Condensation Resistance*

DuraSeal increases the edge of glass temperature as much as 10% over U channel roll formed metal spacer, making windows warmer.



*Durability Performance Testing*

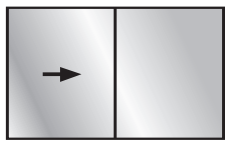
Rigorous testing proves that DuraSeal can maintain excellent adhesion in hot or cold climates. Tested extensively in thousands of extreme freeze thaw cycles, a year in hot humid environment or combined with intense UV, DuraSeal exceeds the challenges of every major durability test in North America.



Duraseal™ is a trademark of Truseal Technologies, Inc.

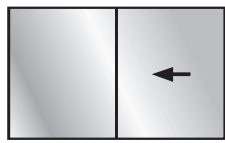
## Common Terminology

- **Low-emittance (Low-E) coating** Microscopically thin, virtually invisible, metal or metallic oxide layers deposited on a window or skylight glazing surface primarily to reduce the U-factor by suppressing radiative heat flow.
- **Winter U-Factor or U-Value** A measure of the amount of non-solar heat that is transferred through a window. This is usually expressed in units of Btu/hr-sq ft-°F. A lower U-Factor indicates greater resistance to heat flow and better insulating performance.
- **Solar Heat Coefficient** The amount of the solar heat that is passed through a window. This is usually expressed as a percent.
- **Visible Light Transmission** The amount of daylight that is passed through a window. This is usually expressed as a percent.
- **Ultraviolet (UV) Transmission** The amount of the UV portion of the solar spectrum that is passed through a window. This is expressed as a percent. A lower UV transmission percent indicates greater protection of home furnishings from fading.
- **Condensation Resistance** measures how well the window resists water build-up. The higher the condensation resistance factor, the less build-up the window allows. Condensation Resistance is scored on a scale from 0 to 100.



**XO Sliders**

Min: 2°1°  
Ma 6°6° x:



**OX Sliders**

Min: 2°1°  
Ma 6°6° x:



**XOX Sliders**

Min: 6°1°  
Ma 10°5°x:



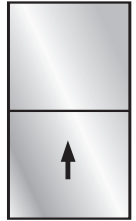
**PW/XO Sliders**

Min: 2°2°  
Ma 6°6° x:



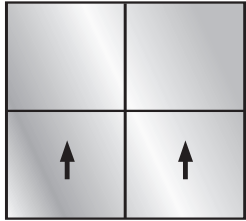
**PW/XOX Slider Combo**

Min: 6°2°  
Max: 10°6°



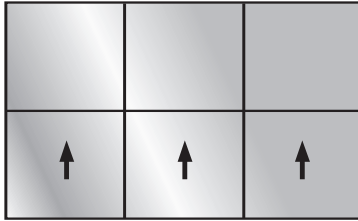
**Single Hung**

Min: 1°2°  
Max: 4°6°



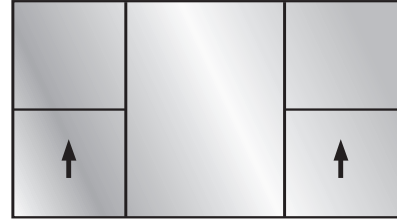
**Double Single Hung**

Min: 3°2°  
Max: 8°6°



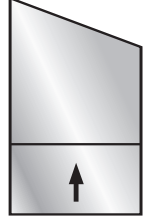
**Triple Single Hung**

Min: 4°2°  
Max: 9°6°



**SH/PW/SH Combo**

Min: 4°2°  
Max: 10°5°



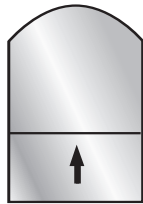
**Slope SH**

Min: 1°3°  
Max: 4°7°



**Ext HR/SH**

Min: 2°3°  
Max: 4°7°



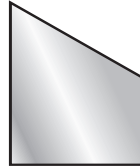
**ET/SH**

Min: 2°3°  
Max: 4°7°



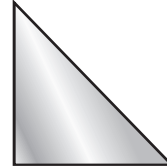
**Picture Window**

Min: 1°1°  
Max: 40 sq ft



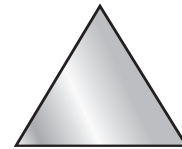
**Trapezoids**

Min: 1°1° w/6" leg  
Max: 40 sq ft



**90° Triangles**

Min: 1°1°  
Max: 40 sq ft



**Triangles**

Min: 1°1°  
Max: 40 sq ft



**Gables**

Min: 1°2°  
Max: 40 sq ft



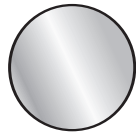
**Hexagons**

Min: 1°  
Max: 40 sq ft



**Octagons**

Min: 1°  
Max: 40 sq ft



**Full Round**

Min: 2°  
Max: 6°



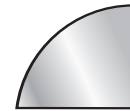
**Half Round**

Min: 2°1°  
Max: 6°3°



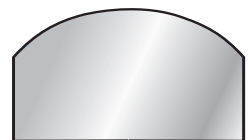
**Ext. Half Round**

Min: 2°2°  
Max: 6°6°



**Quarter Round**

Min: 1°1°  
Max: 6°6°



**Ellipse Top**

Min: 2°1° w/6" leg  
Max: 40 sq.ft.

Please Note: Minimum leg is 6" R/O on all specials.





**Half Ellipse Top**  
 Min: 2°1' w/6" leg  
 Max: 40 sq.ft.



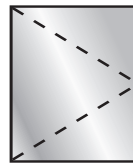
**Eyebrow**  
 4:1 Ratio  
 Height must be less than 1/2 the base,  
 but cannot be less than 1/4 of the base



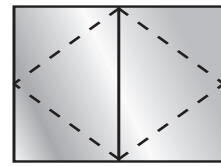
**Half Eyebrow**  
 Min: 1°1'  
 Max: 40 sq.ft.



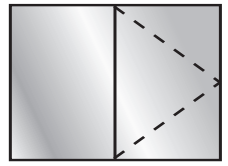
**Oval**  
 Min: 2°3'  
 Max: 35 sq.ft.



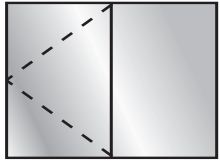
**Casement**  
 Min: 1°2'  
 Max: 3°6'



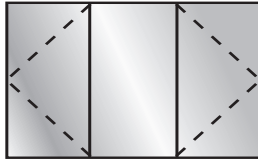
**Double Casement**  
 Min: 3°2'  
 Max: 6°6'



**PW/Casement**  
 Min: 3°2'  
 Max: 3° Casement  
 (PW can be bigger)



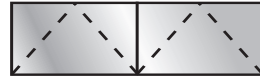
**Casement/PW**  
 Min: 3°2'  
 Max: 3° Casement  
 (PW can be bigger)



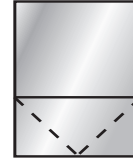
**Triple Casement**  
 Min: 4°2'  
 Max: 9°6'  
 (PW can be bigger)



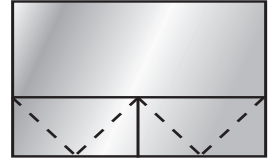
**Awning**  
 Min: 2°1'  
 Max: 4°3'



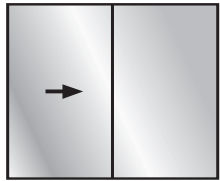
**Double Awning**  
 Min: 4°3'  
 Max: 8°3'



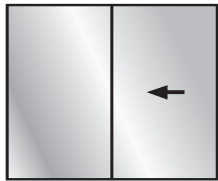
**Awning/PW**  
 Min: 2°3'  
 Max: 4°6'



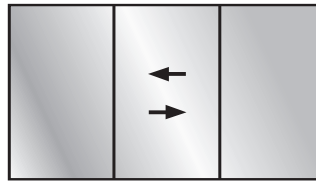
**Double Awning/PW**  
 Min: 4°3'  
 Max: 8°6'



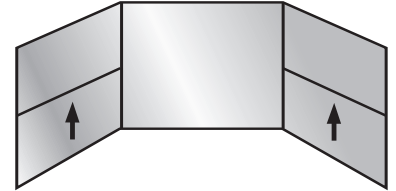
**XO Patio Door**  
 Min: 5°6'  
 Max: 8°8'



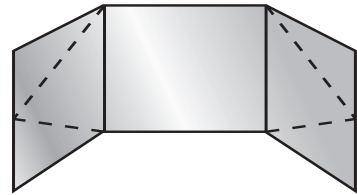
**OX Patio Door**  
 Min: 5°6'  
 Max: 8°8'



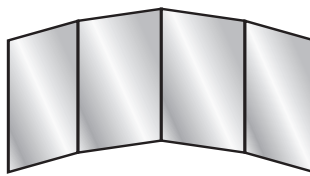
**OXO Patio Door**  
 Min: 9°6'  
 Max: 12°8'



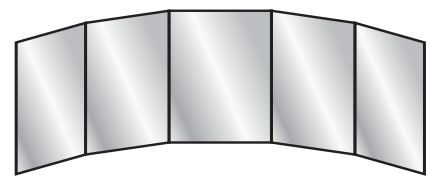
**SH/PW/SH Bay Windows**  
 Min: 5°2'  
 Max: 10°6'



**Case/PW/Case Bay Windows**  
 Min: 5°2'  
 Max: 10°6'



**4-Panel Bow Window**  
 Min: 6°2'  
 Max: 10°6'



**5-Panel Bow Window**  
 Min: 6°2'  
 Max: 10°6'

Please Note: Minimum leg is 6" R/O on all specials.



## 230P Single Hung



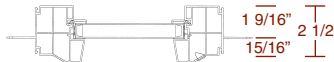
Energy Star qualified  
Guardian Acclimate RLE glass  
5/8" flat grid or 1" euro grid  
Custom grid patterns  
White or almond frame colors available  
Mulling capabilities  
Radius top  
Glass options such as obscure and tints\*  
Integral flush fin for retrofit applications  
Tilt-In sash for easy cleaning  
Double & triple single hung units in one perimeter frame  
Snap on frame accessories such as brickmold and "J" channel\*  
Equal site lines



## 220P Picture Window



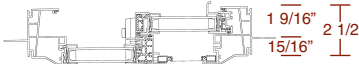
Energy Star qualified  
Guardian Acclimate RLE glass  
5/8" flat grid or 1" euro grid  
Custom grid patterns  
White or almond frame colors available  
Mulling capabilities  
Snap-on frame accessories such as brickmold and "J" channel\*  
Glass options such as obscure and tints\*  
Full line of half round, quarter round, ellipse top, and extended leg shapes available\*  
T-Bar for Multi Lites  
Integral flush fin for retrofit applications



## 210P Sliding Window



Energy Star qualified  
Guardian Acclimate RLE glass  
5/8" flat grid or 1" euro grid  
Custom grid patterns  
White or almond frame colors available  
Mulling capabilities  
Snap on frame accessories such as brickmold and "J" channel\*  
Glass options such as obscure and tints\*  
Picture window over slider in one perimeter frame  
Integral flush fin for retrofit applications  
Adjustable rollers  
Lift-out sash  
Equal site lines



## Special Features



2" Flush Fin for Retro fit in stucco and other applications.



Structural Mull



Positive Action Lock



## 240P Casement/Awning Window



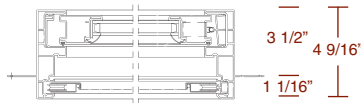
Energy Star qualified  
Guardian Acclimate RLE glass  
5/8" flat grid or 1" euro grid  
Custom grid patterns  
White or almond frame colors available  
Mulling capabilities  
Egress hinges  
Innovative fold-in handles  
Fixed casements and awnings  
Glass options such as obscure and tints\*  
Triple weather stripping  
Snap-on frame accessories such as brickmold and "J" channel\*  
Equal site lines



## 270P Sliding Door



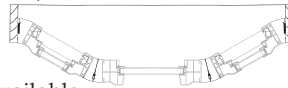
Energy Star qualified  
Guardian Acclimate RLE glass  
5/8" flat grid or 1" euro grid  
Custom grid patterns  
Keyed lock available  
Brass hardware available  
White or almond frame colors available  
XO, OX and OXO configurations available  
Glass options such as obscure and tints\*  
Blind between glass on some sizes  
Equal site lines



## 290P Bay & Bow Window



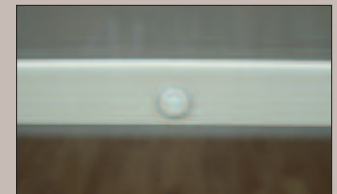
15, 30 and 45 degree angle bay and bow configurations  
3, 4 and 5 lite bow windows  
Wall thickness from 4 9/16" to 7 3/4"  
Guardian Acclimate RLE glass  
5/8" flat grid or 1" euro grid  
Custom grid patterns  
White or almond frame colors available  
Glass options such as obscure and tints\*  
Cable support system available  
Head and seatboards are made from 5/4 oak veneer  
Vertical jambs are made from 5/4 oak veneer  
Available with single hungs, picture windows and casements  
Equal site lines



## Special Features



Fold Away Handle



Grid Button



2" Brickmold



3/4" Snap  
In J-Channel



J-Channel  
for Stucco



2" Sill Extension



## Limited Lifetime Warranty

This warranty is effective for Western Window products manufactured or sold after July 1, 2006.

**Residential Lifetime Warranty:** Each Western Window Product will be free of defects in material and workmanship to the original owner of the owner-occupied single family residence in which it is originally installed for as long as you own and occupy your residence. This warranty includes parts and labor to replace components of the window or door.

**Transferable:** In the event you sell your single-family residence, the warranty period is ten (10) years from the original purchase date.

**Commercial Ten-Year Limited Warranty:** Each Western Window Product will be free from defects in material and workmanship for a period of ten (10) years from the purchase date. This warranty includes parts and labor to replace components of the window or door.

Any claim must be submitted in writing showing the address of the original installation, the purchase date and the nature of the problem. Claims can be mailed to Western Window, 1815 Madison Avenue, Nampa, Idaho 83687 or faxed to 208-461-4887. Western Window reserves the right to inspect the defective product in place and as originally installed.

For any window or door proven to have defective material, hardware or workmanship Western Window, at its discretion, will repair the defective product or furnish a replacement product and ship it to the original installation site. In lieu of replacement, Western Window reserves the right to refund the amount paid by the original purchaser of the window or door.

This warranty does not cover component failure due to improper installation or handling, misuse, non-vertical installations, glass breakage, the use of applied tints, films or non-factory applied paints, alterations made to the product, acts of nature such as fire, earthquakes, floods or explosions, natural weathering of surfaces and/or finishes, structural settling or any other cause outside the control of Western Window.

This warranty is expressly in lieu of all other oral or written warranties, liabilities or obligations. In no event shall Western Window be liable for consequential or incidental damages of any kind, including any damage to the building, its contents or any person therein, resulting from the breach of any warranty set forth herein. Some states do not allow limitations on or the exclusion of incidental or consequential damages, so the above exclusions may not apply to you.

For more information visit us at [www.western-window.com](http://www.western-window.com) or contact us at 208-461-4550.

Window Type	Model	ANSI/AAMA/NWDA 101/ULC-97		SHGC	Energy Star Qualified	STC Tested 1/8" 3/16"	Condensation Resistance (Lowe)
		Yes	U Value				
Single-Slider	210P	Yes	.34	.29	Yes	31	55
Single-Hung	230P	Yes	.34	.29	Yes	32	55
Picture	220P	Yes	.33	.30	Yes	32	56
Casement	240P	Yes	.29	.27	Yes	—	58

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1815 Madison Avenue  
Nampa, ID 83687

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[www.western-window.com](http://www.western-window.com)

