

WINPRO Series
CASCADE Series



BETTER WINDOW *innovations*



INTEGRITY IS PARAMOUNT

Windows are more than a way to let light into your home. The integrity of our company and our products makes Cascade a valued window resource.

For many years, Cascade has designed, manufactured and supplied high-quality, energy efficient windows for homeowners and builders.

The window experts at Cascade bring smart, innovative design to each product. Special features and benefits inherent in each window result in beauty you can see.

LIFETIME LIMITED WARRANTY

You can rest assured knowing your windows are designed and manufactured to last, as long as you own your home. This commitment is backed by Cascade's lifetime limited warranty – a warranty that includes product and labor protection as well as limited transferability. For details, please see your Cascade Windows representative.

Cascade windows bring you year-round comfort and are the perfect fit for your new construction or remodeling project.

With the ability to combine styles and features from all of our product lines, you can maintain a consistent look with proven structural integrity. Our distinctive product lines offer options and styles to fit any budget.

Let Cascade Windows bring beauty and technical innovation to your home.



Style Combinations



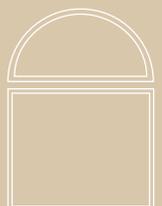
Single-Hung + Picture + Single-Hung



Picture + Shaped Picture + Picture



Picture



Accent + Picture



DESIGN INNOVATION

Cascade Windows engineers excel in developing intelligent design that brings exceptional value to our customers.

MAINFRAME Our window mainframes feature a wide 3 1/4" frame depth with fusion-welded corners. This gives you beautiful, distinctive shadow lines and improved window stability. When the application requires, Cascade offers a 2 3/4" mainframe.

CELCON® ROLLERS Our slider windows feature Celcon rollers mounted on stainless steel axles. They provide years of durable service without causing unsightly markings often associated with other materials.

Frames Built to Last

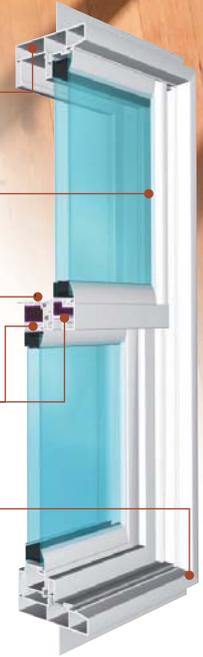
Construction
Heavy, multi-chambered frame

Stability
Set-back fixed glass

Protection
Double weather-stripping

Strength
Reinforced meeting rails

Integrity
Fusion-welded corners



REINFORCED MEETING RAILS

The meeting rails on many of our single-hung and slider windows are reinforced with steel. This steel reinforcement provides rigidity to enhance structural integrity and forms a secure and stable platform for locking hardware.

COMBINATION UNITS Cascade offers a wide selection of window combination units, bringing design flexibility, functionality and creativity to any window project.

Frame Styles



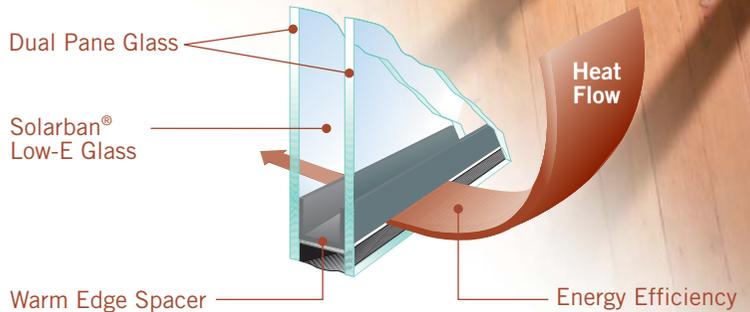


ENERGY EFFICIENT QUALITY

With rising energy costs and concern for the environment, it is important to choose energy efficient products. Many Cascade windows meet the Department of Energy's Energy Star® guidelines. We offer insulated glass panels with high performance, heat reflective coatings; warm edge spacers and dual weather stripping. Optimum efficiency is achieved by combining our vinyl mainframes with PPG's patented Solarban® glass and our warm edge spacer technology. These features further reduce energy costs while increasing the comfort of your home.

VINYL Cascade vinyl windows ensure consistency of quality in materials, lifespan, and maintenance. Our vinyl windows never need painting, saving you time and money. You will also appreciate a reduction in energy costs due to the energy saving performance of Cascade windows.

Superior Windows



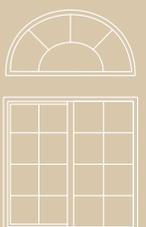
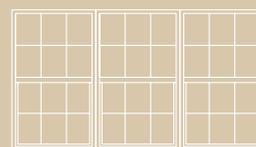
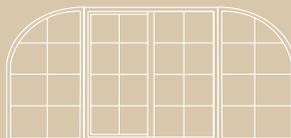
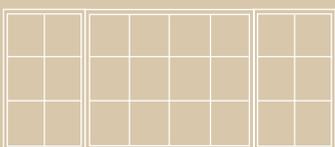
DUAL PANE GLASS Windows have improved dramatically since the days when only a single pane of glass stood between you and the elements. Dual pane windows are quieter and more energy efficient. Plus, our windows are sealed with formulated butylene sealant, ensuring lasting performance.

LOW-E GLASS Cascade windows deliver superior year-round performance. High performance glass coatings reflect outside heat in the summer and interior heat in

the winter, reducing your air conditioning and heating requirements. Additionally, Solarban® coated glass blocks many of the sun's damaging ultraviolet rays that can fade carpets, curtains, and furniture.

WARM EDGE SPACER Cascade's Warm Edge Spacer system conducts less heat through the window. This technology can significantly improve a home's overall energy efficiency.

Grid Combinations



CASCADE SERIES

OUR SIGNATURE LINE

The Cascade Series provides architects, homeowners and building professionals an effective combination of classic looks and enhanced structural integrity through innovative design and added features.

You will gain classic, traditional styling that is desired in custom homes and commercial projects. Superior structural integrity is coupled with low maintenance benefits.

DISTINCTIVE LOOKS The Cascade Series offers a distinctive appearance normally associated with wood windows. They feature a fixed sash, giving the window true visual balance.

DEPTH The fixed sash unit is set back from the outside of the frame, offering the depth and sight lines of traditional wood windows. The frames of the Cascade Series' picture, casement, and awning windows provide the same consistent look.

HARDWARE Cascade Series sliders and single-hung windows feature AutoLocking hardware. Cascade casement windows feature multi-point locks and smooth operating handles. The Cascade door features an upgraded heavy-duty screen and a secondary lock. Security is built into the Cascade Series.

Performance

+STRUCTURAL VALUES	Structural Rating	Test	Operation
C9100 Horizontal Sliders	HS-C35	72 x 60	XO
C9130 Horizontal Sliders (3-panel)	HS-C30 HS-LC25	120 x 60 120 x 72	XOX XOX
C9200 Single Hungs	H-LC30	48 x 96	X
9501 Picture Units	F-LC30 F-LC25	96 x 60 96 x 72	O O
9300 Casements	C-C50 C-C45	30 x 72 36 x 60	X X
9400 Awnings	AP-LC30 AP-LC25	48 x 36 48 x 48	X X
C9700 Patio Doors	SGD-R25 SGD-R15	72 x 82 96 x 96	XO XO
C9730 Patio Door (3-panel)	SGD-R20	142 x 82	OXO

U VALUES represent the rate of heat transfer through an object

+U VALUES	Testing Data	SB60	SB60 + argon	SB70	SB70 + argon
C9100/C9130 Horizontal Sliders	U-Value SHCG**	0.35* 0.30	0.32* 0.30	0.35* 0.21	0.31* 0.21
C9200 Single Hungs	U-Value SHCG**	0.35* 0.30	0.32* 0.30	0.35* 0.21	0.31* 0.21
9501 Picture Units	U-Value SHCG**	0.31* 0.32	0.27* 0.32	0.31* 0.23	0.27* 0.23
•C9700/C9730 Patio Doors	U-Value SHCG**	0.33* 0.32	0.29* 0.32	0.33* 0.23	0.29* 0.23
9300 Casements	U-Value SHCG**	0.30* 0.26	0.28* 0.26	0.29* 0.19	0.26* 0.19
9400 Awnings	U-Value SHCG**	0.30* 0.26	0.27* 0.26	0.30* 0.19	0.27* 0.19

* Energy Star Rated ** (with no internal muntins)

* These values are subject to change without notice, based on testing and certification cycles

• Super Spacer standard on C9700 Patio Doors

Super Spacer®

WINPRO SERIES

HIGH STYLE. HIGH VALUE

The WinPro Series is designed to give homeowners and building professionals a remarkable combination of sleek looks, reliable performance and serious value.

Intelligent design and energy efficiency results in a smart and affordable window with a maximized viewing area. The WinPro Series offers great flexibility in design and options while maintaining excellent structural and thermal qualities.

DISTINCTIVE LOOKS The WinPro Series offers a clean, contemporary window design with a variety of grid options and configurations.

CLEAN, SOLID LINES

WinPro windows have no unsightly accessory grooves, offering clean lines and maximum viewing area.

SET BACK INSULATED GLASS

The glass units in our WinPro Series windows are set back from the exterior of the frame, presenting a balanced, framed appearance and increasing the stability of larger units.

COLOR MATCHED HARDWARE

All operable WinPro windows feature color-matched hardware to maintain a unified appearance. The WinPro patio door includes a contemporary-designed, rounded Euro-handle.

Performance

+STRUCTURAL VALUES	Structural Rating	Test	Operation
9100/9130 Horizontal Sliders	HS-C30 HS-R20	120 x 60 120 x 72	XOX XOX
9200 Single Hungs	H-LC30	48 x 96	X
9011 Picture Units	F-C35	96x60	O
9700 Patio Doors	SGD-R25 SGD-R15	72 x 82 96 x 96	XO XO
9730 Patio Doors (3-panel)	SGD-R20	142 x 82	OXO

U VALUES represent the rate of heat transfer through an object

+U VALUES	Testing Data	SB60	SB60 + argon	Clear	SB70	SB70 + argon
9100 Sliders	U-Value SHCG**	0.34* 0.32	0.31* 0.32	0.49 0.64	0.34* 0.23	0.30* 0.23
9200 Single Hungs	U-Value SHCG**	0.34* 0.32	0.31* 0.32	0.48 0.64	0.34* 0.23	0.30* 0.23
9011 Picture Units	U-Value SHCG**	0.32* 0.35	0.28* 0.35	0.47 0.70	0.31* 0.25	0.27* 0.25
•9700/9730 Patio Doors	U-Value SHCG**	0.33* 0.32	0.29* 0.32	0.47 0.63	0.33* 0.23	0.29* 0.23

* Energy Star Rated ** (with no internal muntins)

* These values are subject to change without notice, based on testing and certification cycles

• Super Spacer standard on 9700 Patio Doors

Super Spacer®



CUSTOM, STYLISH & VERSATILE

From Colonial to Craftsman, Post-Modern to French Country, Cascade Windows offers style combinations and grid patterns that will be just right for your home. Our versatile product lines allow you to combine styles and features to fit all your window needs.

Grid selection can greatly enhance the appearance of your new windows. At Cascade Windows, we offer an almost unlimited variety of internal grid styles and options. Choose from pencil, slimline or euro varieties. Grid colors available include white, almond, clay, bronze, brass, silver and pewter. The following page shows several available patterns. Of course, our technical services department is always ready to assist you in selecting the perfect window design for your home, simply contact your Cascade Windows representative for assistance.



Basic Window Styles



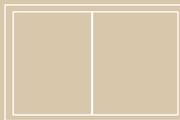
Casement



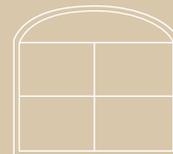
Single-Hung



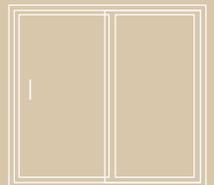
Picture



Slider



Specialty Shapes

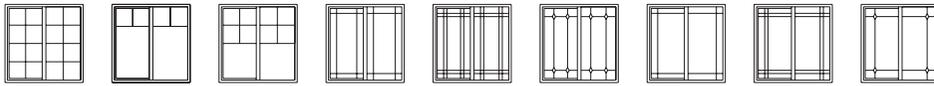


Patio Door



GRIDS, COMBINATIONS & OPTIONS

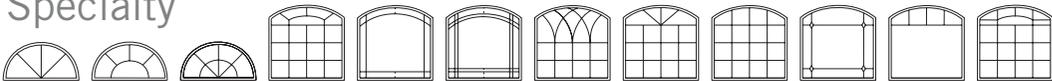
Slider



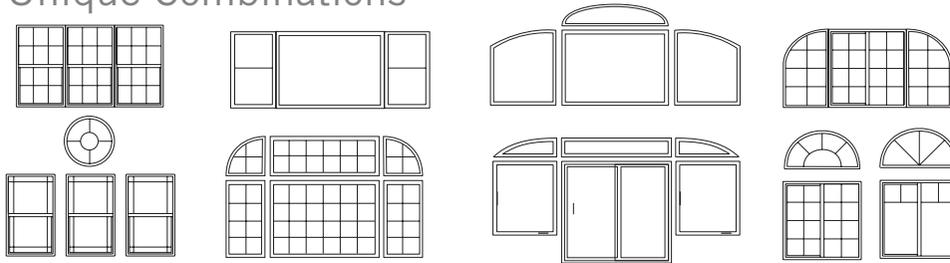
Single-Hung



Specialty



Unique Combinations



Handle & Lock Options



AutoLock



Casement Multi-Point Lock Lever



CamLock



Patio Door Handle



Secondary Lock (Patio Door)

Color Options



Clay

Almond



White

Grid Types



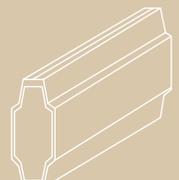
Standard 5/8" Wide Grid



Slimline 5/16" Wide Grid



Pencil Grid



Euro 1" Wide Grid



800.442.8544
www.cascadewindows.com



Glass Technology
Since 1883