

EMPIRE SERIES



CASCADE
WINDOWS

FRAMING LIFE'S MOMENTS.™

Empire Series Windows

WINDOWS YOU CAN TRUST

Cascade Windows puts life in the best light. We have built our reputation on superior performance, style and value.

Since 1989, homeowners and builders have turned to Cascade Windows for the best design, energy efficient and cost effective windows available.

Innovation is integral to our success. The window experts at Cascade carefully craft each product with specific features that result in beauty you can see, and year-round comfort you can feel.

Choose from one of our distinctive product lines, or even combine styles and features to achieve the perfect look and structural integrity for your specific new construction or remodeling project.

Let Cascade Windows frame your life's moments affordably, with beauty and technical innovation.

DESIGNED TO PERFECTION

Our engineers keep two goals in mind at all times, and excel at both: Developing an intelligently designed product, and making sure it brings exceptional value to our customers.

MAINFRAME

Our window frame profiles feature fusion-welded corners and a precision mitred heavy duty external glazing bead, for a distinctive appearance. This gives you beautiful shadow lines and improved window stability. Cascade Windows offers 2 ¾" or 3 ¼" frame depths for replacement windows.



CELCON® ROLLERS

Unsightly frame markings are a thing of the past. Enjoy years of opening and closing your slider windows blemish-free thanks to our unique Celcon rollers mounted on stainless steel axles.

REINFORCED MEETING RAILS

The meeting rails on 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.

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



LIFETIME WARRANTY

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

WINDOW STYLES & CONFIGURATIONS



Single-Hung + Picture + Single-Hung



Picture + Shaped Picture + Picture



Picture



Accent + Picture

EMPIRE SERIES

HIGH STYLE, HIGH VALUE

The Empire 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 Empire Series offers great flexibility in design and options while maintaining excellent structural and thermal qualities.

DISTINCTIVE LOOKS

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

CLEAN, SOLID LINES

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

GLAZING BEAD

The Extruded Square-edge glazing bead comes standard with the Series and adds a distinctive look only available in the Empire Series.

COLOR MATCHED HARDWARE

All operable Empire Series windows feature color-matched hardware to maintain a unified appearance. The Empire Series comes standard with the 2-stage keeper Lock for added air ventilation while staying secure.

STANDARD FEATURES

EMPIRE SERIES

ENGINEERED CORROSION RESISTANT REINFORCEMENT AT MEETING RAIL AND LOCK LEVER SASH



WIDE INTERLOCK



EXTRUDED SQUARE-EDGE GLAZING BEAD



2-STAGE KEEPER LOCK



BASIC WINDOW STYLES



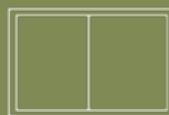
Casement



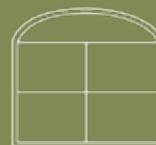
Single-Hung



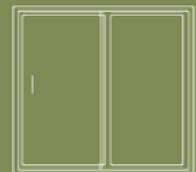
Picture



Slider



Specialty Shapes



Patio Door

Grids, Combinations & Options

SLIDER



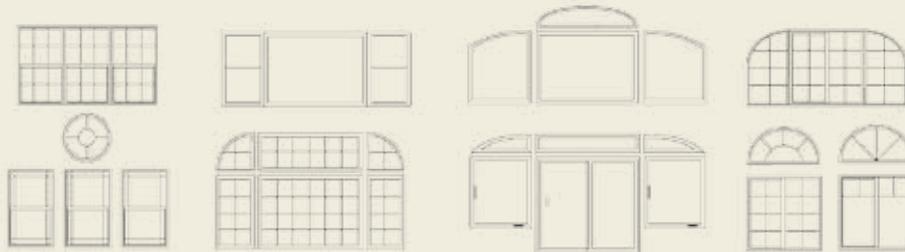
SINGLE-HUNG



SPECIALTY



UNIQUE COMBINATIONS



HANDLE & LOCK OPTIONS



AutoLock



CamLock



2-stage Keeper Lock



Patio Door Handle



Secondary Lock
(Patio Door)

COLORS



White Frame



Almond Frame



Clay Frame

GRID TYPES



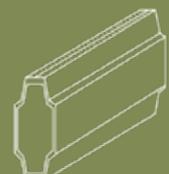
Standard 5/8" Wide Grid



Slimline 5/16" Wide Grid



Pencil Grid



Euro 1" Wide Grid

Empire Series Windows

INCREASED ENERGY EFFICIENCY

Energy costs are soaring. Concern for the environment is growing. Together they make energy efficient products essential and many Cascade' windows meet 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 our Ec and Ec+ Low-E 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 low 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.

DUAL PANE GLASS

While a single pane was once standard, our dual pane windows keep you comfortably insulated from even the worst elements. As quiet as they are energy efficient, our windows are sealed with formulated butylene sealant, ensuring long-lasting performance.

LOW-E GLASS

Had it with costly air conditioning and heating bills? Our Ec and Ec+ windows deliver superior year-round performance, coated to keep heat in during the winter and out in the summer. Plus, the high performance glass reduces the sun's damaging ultraviolet rays which can fade your 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 and help reduce condensation on the glass.



CUSTOMIZE WITH CARE

From Colonial to Craftsman, Post-Modern to French Country, Cascade Windows offers style combinations and grid patterns just right for any 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 help you select the perfect window design for your home. Simply contact your Cascade Windows representative for assistance.

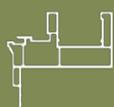
FRAME STYLES



E Frame



O Frame



Z Frame



W Frame



F Frame



J Frame



K Frame

THERMAL PERFORMANCE* (NFRC Certified)

	Glass = Clear	Glass = Ec Thermal Spacer = Intercept	Glass = Ec Thermal Spacer = Intercept w/ Argon Gas	Glass = Ec Thermal Spacer = SuperSpacer	Glass = Ec Thermal Spacer = SuperSpacer w/ Argon Gas	Glass = Ec+ Thermal Spacer = Intercept	Glass = Ec+ Thermal Spacer = Intercept w/ Argon Gas	Glass = Ec+ Thermal Spacer = SuperSpacer	Glass = Ec+ Thermal Spacer = SuperSpacer w/ Argon Gas
Empire Series									
Picture									
U-Values	.47	.32	.28	.31	.26	.31	.27	.30	.26
SHGC	.70	.35	.35	.35	.35	.25	.25	.25	.25
Slider									
U-Values	.49	.35	.31	.33	.29	.34	.31	.32	.28
SHGC	.64	.32	.32	.32	.32	.23	.22	.23	.22
Single Hung									
U-Values	.49	.35	.31	.33	.29	.34	.31	.32	.28
SHGC	.64	.32	.32	.32	.32	.23	.22	.23	.22

*These values are subject to change without notice, based on testing and certification cycles. All Cascade Windows products may be ordered to meet or exceed Energy Star requirements. Please visit www.energystar.gov to view specific US climate zone requirements. SHGC values are shown with no internal dividers (aka grids or muntins). Values shown are with standard reinforcement configurations.

Super Spacer®

STRUCTURAL PERFORMANCE** (AAMA Certified)

	Operation	Test Size	Air Infiltration (cfm/sqft)	Water Resistance Test Pressure (psf)	Structural Rating
Empire Series					
Picture	Fixed-O	79" X 79"	< .01	14.6	F-C40
Slider	XO	72" X 60"	.08	5.4	HS-C35
Slider	XOX	120" X 60"	.08	4.6	HS-C30
Single Hung	H	48" X 72"	.06	5.25	LC-PG35

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