

# CityVu

## DELUXE ALUMINUM SERIES





The CityVu Series by Quaker Residential Windows and Doors is engineered to push the boundaries of modern engineering and bring into view the desired exceptions of what contemporary living truly means.

Distinct and synchronized, this designer-driven collection has been fashionably bundled to infuse flair and dimension into how you select windows and doors, melding proprietary technologies and bringing to life the ability to envision tomorrow, today.



## CityVu Windows Size & Performance (C600, C605)

- Patented OptiCore® Technology Framing System
  - 4-1/8" Architectural Grade Aluminum Frame
  - 4-9/16" and 6-9/16" Jamb Depths
  - Dual Euro-Groove Frame System
- Azo-Core Thermal Barrier System for Increased Energy Efficiency and Reduced Thermal Conductivity
- Multiple Glazing Package Options Compliment Region and Climate
- Structural Mull Availability Offers Wider and Taller Sizing Options
- Square (C600) and Bevel (C605) Stop Options for Enhanced Exterior Look
- Internal or Simulated Divided Light (SDLs) Grids Available
- High-Performance 2604 and 2605 Powder and Class 1 Anodized Finishes
- Optional Exterior and Interior (Two-Tone) Color Finish Options
- Custom Color Matching and Heat Reflective Paint Options
- Easily Removable FlexScreen System

Window Sizing				
Operation	Width		Height	
	Min	Max	Min	Max
Direct Set	15"	144"	15"	144"
Anchor Leg	15"	144"	15"	144"
Casement	24"	48"	22"	96"
Casement Push-Out	18"	48"	24"	72"
Awning	24"	72"	24"	84"

Window Performance						
Operation	Rating	Structural Load (P.S.F.)	Air Infiltration	Water (P.S.F.)	U-Value	SHGC
Direct Set	AW-PG100	100	0.01	12.11	0.15 - 0.29	0.24 - 0.36
Anchor Leg	CW-70	70.18	0.01	12.11	0.24 - 0.29	0.24 - 0.29
Casement	AW-PG70	70.18	0.01	12.11	0.20 - 0.32	0.19 - 0.29
Casement Push-Out	Pending					
Awning	AW-PG70	70.18	0.01	12.11	0.20 - 0.32	0.19 - 0.29

## CityVu C-Series Sliding Doors Size & Performance (C200S)

- Architectural Grade Aluminum Frame
  - 5-5/8" Frame Depth
  - 4-9/16" and 6-9/16" Jamb Depths
- Thermally Broken Aluminum Frame and Opticore® Panels
- SolidCore™ Thermal Barrier in Doors
- Corner Key Technology for Maximum Structural Performance
- Stainless Steel Quad Precision Bearing Roller System
- Butt Joint Panels & Extruded Fin
- Internal or Simulated Divided Light (SDLs) Grids Available
- High-Performance 2604 and 2605 Powder and Class 1 Anodized Finishes
- Optional Exterior and Interior (Two-Tone) Color Finish Options
- Custom Color Matching and Heat Reflective Paint Options

Sliding Door Performance		
Operation / Style	Structural Rating	U-Value Range
Two Panel	R-50 / LC-50	0.29 - 0.31
Four Panel	R-50 / LC-50	0.29 - 0.31
SDL Depth (Max Profile Height)		
Exterior	7/16"	
Interior	9/16"	

Sliding Door Sizing					
Operational Style	Width		Height		Max UI
	Min	Max	Min	Max	
Two Panel	60"	96"	78"	120"	264"
Four Panel	120"	193"	78"	120"	408"
Sidelight - Narrow	12"	108"	78"	120"	191"
Sidelight - Fixed Panel Set	24"	108"	78"	120"	191"
Transom	12"	120"	12"	108"	191"



## CityVu C-Series Swing Doors Size & Performance (C200I, C200O)

- Architectural Grade Aluminum Frame
  - 5-5/8" Frame Depth
  - 4-9/16" and 6-9/16" Jamb Depths
- Thermally Broken Aluminum Frame and Opticore® Panels
- SolidCore™ Thermal Barrier in Doors
- Corner Key Technology for Maximum Structural Performance
- Available as an Inswing (C200I) or Outswing C200O)
- Adjustable Butt Hinges offer Multi-Directional Adjustment
- Standard, ADA, or No Sill Options
- Butt Joint Corners & Extruded Fin
- Wide and Narrow Panel Options
- Internal or Simulated Divided Light (SDLs) Grids Available
- High-Performance 2604 and 2605 Powder and Class 1 Anodized Finishes
- Optional Exterior and Interior (Two-Tone) Color Finish Options
- Custom Color Matching and Heat Reflective Paint Options

Swing Door Performance		
Operation / Style	Structural Rating	U-Value Range
Single Panel	R-50 / LC-50	0.27 - 0.31
Two Panel - French	R-50 / LC-50	0.27 - 0.31
SDL Depth (Max Profile Height)		
Exterior	7/16"	
Interior	9/16"	

Swing Door Sizing					
Operational Style	Width		Height		Max UI
	Min	Max	Min	Max	
Single Panel	24"	43"	78"	120"	180"
Two Panel - French	48"	84"	78"	120"	216"
Sidelight - Narrow	15"	108"	78"	120"	191"
Sidelight - Fixed Panel Set	24"	108"	78"	120"	191"
Transom	12"	120"	12"	108"	191"



## CityVu M-Series Multislide Doors Size & Performance (M2055, M2065, M2075)

- Thermally Broken Aluminum Frame and Panels
- Azon™ Polyurethane Thermal Barrier in Frame
- SolidCore™ Thermal Barrier in Doors
- Corner Key Frame Technology for Maximum Structure Performance
- Butt Joint Panels
- Stainless Steel Quad Precision Bearing Roller System
- Removeable / Replaceable Sill
- Integrated Sill Pan acts as a Starter Strip
- Integral Extruded Nail Fin (Optional)
- 3" Sightlines with 4-1/2" Bottom Rail
- High-Performance 2604 and 2605 Powder and Class 1 Anodized Finishes
- Custom Color Matching and Heat Reflective Paint Options

Grid Options	
Exterior Grid Max Height	Interior Grid Max Height
1/16"	1/8"

Performance	
Structural	Thermal
R - 15	0.34 - 0.39

Sill Options
Standard - 1-3/8" (M2055)
1" Flush Sill (No Leg) (M2065)
Flush (Staggered) Sill Flooring (M2075)

Panel Configurations		
2 Panel	3 Panel	4 Panel
One Direction Pocketing	One Direction Pocketing	One Direction Pocketing Bi-Parting

Operation	Sizing				Max UI
	Width		Height		
	Min	Max	Min	Max	
Panel	24"	84"	40"	144"	204"

## Glazing Packages Options

Glazing Package Options				
Glazing Package	U-Value	SHGC	VT	CR
Energy Enhanced	Lower	Lower	Lower	High
Energy North	Lower	Moderate	Highest	High
Energy Basic	Moderate	Low	Higher	Highest
Energy Plus	Lowest	Low	Higher	Higher
Energy 3S	Low	Lower	Moderate	Highest
Energy Max	Lower	Lower	Moderate	Higher
Energy 4S	Low	Lowest	Moderate	Highest
Energy 4S+	Lower	Lowest	Moderate	Higher
Triple Pane	Lowest	Lowest	High	Higher

- **U-Value:** Represents the heat flow through a window and is measured in BTU/hr-ft<sup>2</sup>. The lower the rating the better the reduction in heat loss.
- **Solar Heat Gain (SHGC):** Is used to measure the amount of radiated heat entering a building. The lower the rating, the better the glazing package is in preventing solar gain.
- **Visible Transmittance (VT):** Measures the amount of visible light transmitted through a window.
- **Condensation Resistance (CR):** Measures how well a window resists condensation on its interior surface. The higher the rating, the better the glazing package is able to resist condensation.

## Comparative Glazing Packages

Comparative Glazing Packages	STC	OITC
Single Pane Window	20	19
1" (25.5 mm) 2-Pane IG Casement	32	28
1" (25.5 mm) 2-Pane Laminated IG Casement	35	31
1.375" (34.6 mm) 3-Pane Laminated IG Casement	38	33
Other Glass Configurations Available Upon Request		

- **STC (Sound Transmission Class):** is used to calculate the results of soundproofing between rooms or through walls. It is a measurement of decibel reduction. The STC Frequency Scale ranges from 125 Hz to 4000 Hz. The higher the number, the better the product in dampening ambient sound.
- **OITC (Outside Inside Transmission Class):** This rates the transfer of sound between an outdoor space and an indoor space. OITC has a frequency scale between 80 Hz and 4000 Hz and is used for calculating sound controls against low frequency exterior sounds. The higher the number, the better the product is in dampening sound.



## The Innovative Difference

A natural blending of technologies have formed the base properties that make up the CityVu Series Door System.

From the Azon<sup>®</sup> Polyurethane Foam to Azo-Brading and the addition of SolidCore<sup>™</sup> infused panels, the CityVu Doors have been built to maximize Structural and Thermal Performance while maintaining the torsion, deflection and sheer strength properties garnered towards industry tested AW-rated commercial products.



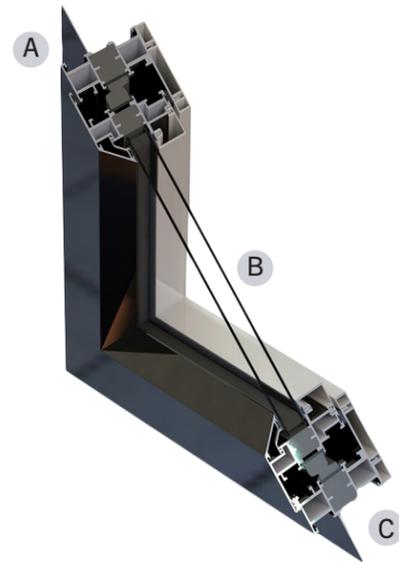
Unique to the market, SolidCore<sup>™</sup> Thermal Barrier System integrates an Azo-Core high-density foam that acts as insulator against the natural conductivity of heat and cold, allowing for superior energy performance and product integrity regardless of size or operational style.



## Effortless Performance

Engineered for the extremes, CityVu Windows were designed with Comfort in Mind. From the cold winds of the Northeast seaboard to the heat of the Southwest deserts, CityVu defines the standards on how modern day energy performance is measured.

Offered with a series of Energy-Enhanced Glass Packages, each window and door has been equipped for year-round maintenance-free versatility, a unique quality found within the Quaker Residential Portfolio.



A. Azo-Core Thermal Barrier System with MLP™ technology utilizes a polyurethane foam that has been designed to create greater thermal performance throughout your entire home. Meets the stringent Energy Star Standards across all 50 states.

B. Cardinal Neat+ Glass is constructed to naturally decompose Greenhouse pollutants and stay cleaner longer.

C. Glass units incorporate Super Spacer, a superior condensation reducing seal that optimizes home energy efficiencies.



## Technology to the Core

Originally designed for modern commercial construction applications, CityVu Windows offer the unique blending of advanced architectural engineering intertwined with a contemporary flair.

Infusing OptiCore®, a proprietary patented technology, Quaker has formed an engineering base that offers industry leading Structural, Thermal and Sound Performance, pushing the envelope of modern design and shaping the future of contemporary home construction.



A. Architecturally-enhanced 4-1/4" Aluminum Frame offers greater Structural Strength and Superior Performance regardless of climate or location.

B. Sealant-Injected Double Corner Key Construction offers improved structural integrity across the entire window frame regardless of size or shape.

C. 2-7/8" Sight Lines with Straight or Beveled Glazing Stops offer Larger Openings and Wider Views.

## Solids, Textures and Metallics

Collaborative color palettes created to define your space and offer a view of who you are.

### Natural Tones

A blending of stepped contrasts and subtle shades.



### Metallics

A modern and consistent interpretation of anodized finishes.



### Monotones

Illuminating the neutral spectrum of color saturation and hue.



**The Art of Two-Tone:** CityVu products can be finished with different colors inside and out, in addition to custom color matching capabilities.

### Historic Shades

Deepened colors that draw from the classic designs.



### Textures

Mixed to create visual depth and dimension on window and door surfaces.

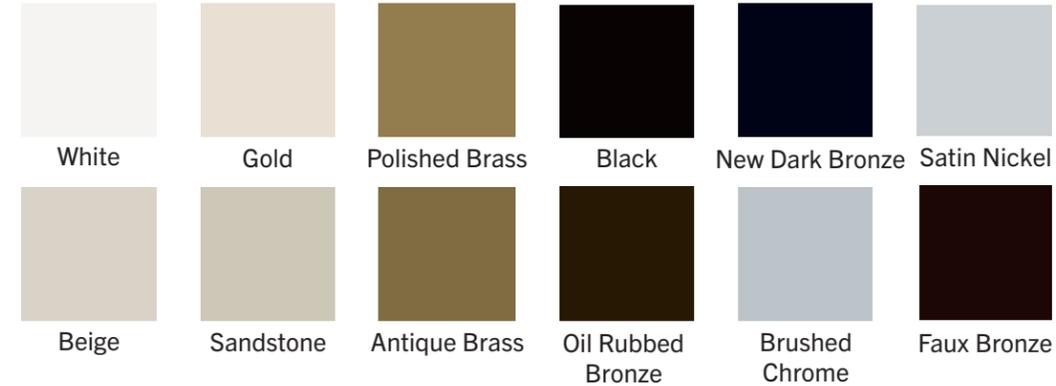


## Hardware Colors and Finishes

Endearing colors, chosen to enhance and frame our thoughts and visions.

### CityVu Hardware

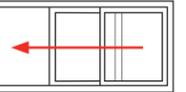
Available Hardware colors across the CityVu Product Line.



## CityVu Door Configurations

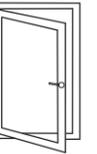
### Sliding

Constructed using both a fixed and operating door panel that slides inside a framed track.



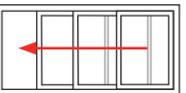
### Swing

Available in inswing or outswing. Door is hinged and pivots from the side.



### Multislide

This system utilizes multiple panels that slide and stack to one side of the frames openings.



## CityVu Window Configurations

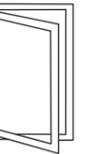
### Picture

A fixed-pane window that is available in nearly any shape or size.



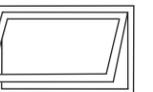
### Casement

Swinging outward, this window pivots from the side. Available with Roto-Crank or Out Swing hardware.



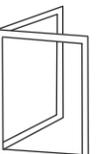
### Awning

A window that pivots from the top and swings open at the bottom.



### Corner

A uniquely designed picture window that angles back at 90° to wrap around a home's corner.



Photography courtesy of Berk Walters Homes and Crabtree Homes, LLC.

Actual product color could vary from samples shown due to variances in print and production manufacturing processes.



Quaker Window Products  
504 U.S. Hwy 63 South  
Freeburg, MO 65035  
(800) 347-0438  
[www.quakerwindows.com](http://www.quakerwindows.com)



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Quaker, scan here:



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