Л CITYLINE

ALUMINUM SERIES







CityLine 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						
Onevetion	Wic	ith	Height			
Operation	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		

CityLine 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							
Four Panel	Four Panel R-50 / LC-50 0.29 - 0.3						
SDL Depth (Max Profile Height)							
Exterior 7/16"							
Interior	9/16"						

Sliding Door Sizing							
Operational Style	Width		Height		Max UI		
Operational Style	Min	Max	Min	Max	IVIAX OI		
Two Panel	60"	168"	78"	144"	264"		
Four Panel	120"	240"	78"	144"	408"		
Sidelight - Narrow	15"	108"	78"	143-7/8"	191"		
Sidelight - Fixed Panel Set	24"	108"	78"	144"	191"		
Transom	12"	120"	12"	108"	191"		



CityLine C-Series Swing Doors Size & Performance (C2001, C2000)

- 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 Inswing (C200I) or Outswing (C200O)
- Adjustable Butt Hinges offer Multi-Directional Adjustment
- Standard, ADA, or No Sill Options
- Butt Joint Panels & 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	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	
Operational Style	Min	Max	Min	Max	Max OI	
Single Panel	30"	48"	78"	144"	180"	
Two Panel - French	48"	96"	78"	144"	216"	
Sidelight - Narrow	15"	108"	78"	143-7/8"	191"	
Sidelight - Fixed Panel Set	24"	108"	78"	144"	191"	
Transom	12"	120"	12"	108"	191"	



CityLine 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 O	ptions
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	5 Panel	6 Panel			
One Direction Pocketing	One Direction Pocketing	One Direction Pocketing Bi-Parting	One Direction Pocketing	One Direction Pocketing Bi-Parting			

Sizing							
Operation	Wie	dth	Hei	ght	Max UI		
Operation	Min	Max	Min	Max	IVIAX OI		
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 measures in BTU/hr-ft². 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	ОІТС
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 forncalculating 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 CityLine Series Door System.

From the Azon® Polyurethane Foam to Azo-Brading and the addition of SolidCore™ infused panels, the CityLine 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.



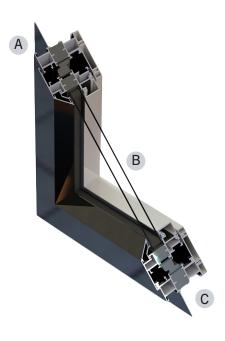
Unique to the market, SolidCore[™] Thermal Barrier System integrates an Azo-Core high-density foam that acts as insulator against the natural conductivity of heat and cold, allowing for superior energy performance and product integrity regardless of size or operational style.



Effortless Performance

Engineered for the extremes, CityLine Windows were designed with Comfort in Mind. From the cold winds of the Northeast seaboard to the heat of the Southwest deserts, CityLine 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 Quartz Luxury 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, CityLine 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.

Sky White II

Slate Grey

Gloss Black

The Art of Two-Tone: All CityLine products

can be finished with different colors inside

and out, in addition to custom color

matching capabilities.

Polar White

Telegrey I

Black

Illuminating the neutral spectrum of color

Monotones

White

Agate Grey

Dark Bronze

saturation and hue.

Natural Tones

A blending of stepped contrasts and subtle shades.



Beige Sandstone



Beige Grey

Patina Green

Toffee Earthtone

Moss Green New Dark Bronze

Metallics

A modern and consistent interpretation of



anodized finishes.



Anodized

Champagne Light Range



Champagne Dark Range





Bronze





Light Range



Dark Range





Anodized



Historic Shades

Deepened colors that draw from the classic designs.



Textures

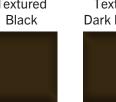
Mixed to create visual depth and dimension on window and door surfaces.



Espresso











Textured **Heat Reflective**



Textured Black Dark Espresso Heat Reflective

Hardware Colors and Finishes

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

CityLine Hardware

Available Hardware colors across the CityLine Product Line.

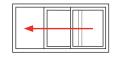




CityLine Door Configurations

Sliding

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



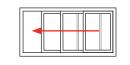
Swing

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.



CityLine 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 Outswing 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.







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To learn more about Quartz Luxury, scan here:

