



## FIXED & OPERABLE WINDOWS | PRODUCT SOLUTIONS



**FIXED & OPERABLE WINDOWS** provide endless possibilities through an array of design options, a variety of opening types and inward and outward configurations. Windows are available in a modern functional profile and an ultra-slim look with superior insulating capabilities which create perfect harmony between durable materials, clean design and architectural challenges. These beautifully designed windows can transform the appearance of any space, making it warmer, brighter and more inviting.



### FEATURES / HIGHLIGHTS

- Multiple Frame & Vent Options
- European Inspired Tilt-Turn Operation
- Inward / Outward Opening Configurations
- Classic (Steel Look) Design Variant
- SDL / TDL Multi-Pane Units
- Purity Designer Handles
- Combines w/ Door & Curtain Wall Solutions

## WINDOW & DOOR PRODUCT SOLUTIONS

HARMONIOUSLY WORKING TOGETHER FOR MAXIMUM VISUAL APPEAL



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**Expansive Fixed Windows.** Reynaers fixed windows are capable of holding some of the largest panes of glass in the industry. With optional True Divided Light (TDL) and Simulated Divided Light (SDL) the possibilities for multi-pane units are limitless. Our TDL windows encompass a single frame with continuous mullions for a sleek look.

**European Design for Inward Opening Windows.** European inspired Tilt-Turn operation allow users to tilt the window open for ventilation and turn open for egress and cleaning.





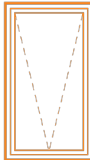
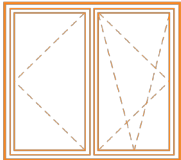


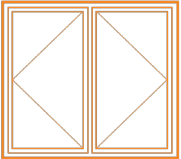
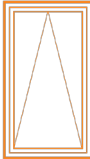

**Ventilation With a Touch of Security.** With its tilt only operation, A hopper generates optimal airflow while providing security at the same time.

**Innovative Inward Opening French Casement Window.** Our inward opening casement combines a Tilt-Turn master leaf with an additional panel for wide open views and post-less design expected from a French casement window.

**Awning Open-Out Windows.** Invite the breeze in, while keeping out unwanted rain and debris.

**Open-Out Casement Windows.** Traditional casement style option keeps the interior space free of window leaves with optional flush mounted interior fly-screens.

### WINDOW CONFIGURATIONS

			
Picture Fixed	Multi Panel Fixed - TDL / SDL	Trapezoid (Shapes) Fixed	Tilt-Turn Open In
			
Hopper Open In	Double Tilt-Turn / Casement Open In	Single Casement Open Out (Roto-crank)	Single Casement Open Out (Push-out)
			
French Casement Open Out (Push-out)	Awning Open Out (Roto-crank)	Awning Open Out (Push-out)	

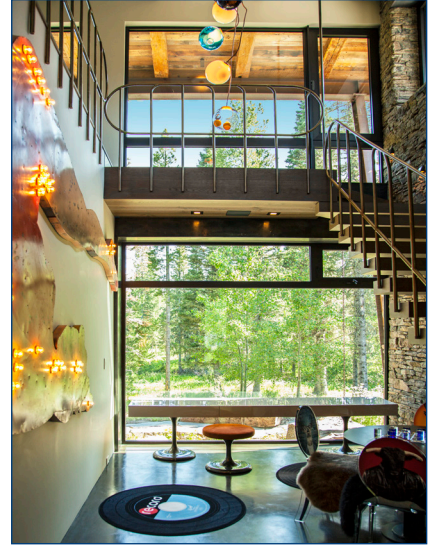
# FIXED WINDOWS | PRODUCT SOLUTIONS



SLIMLINE **SL 38 CUBIC**



SLIMLINE **SL 38 CLASSIC**



CONCEPT SYSTEM **CS 77**

Profile Dimensions				System Depth (in.)					Visible Width (in.)		
				Frame	Std. Mullion	Reinf. Mullion	60mm Mullion	100mm Mullion	Frame	TDL Mullion	SDL Mullion
Fixed	<b>CS 77</b>	Frame	Functional	2 11/16	2 11/16	7			2 1/2	3 1/2	1 3/16
			<b>SL 38</b>	Cubic	3	3		4 1/2	6 1/16	1 1/2	2
			Classic	3 7/8	3 7/8		5 3/8	7	1 1/2	2	1 3/16

**LARGE FIXED WINDOWS WITH EXPANSIVE PANES OF GLASS.** Holding some of the largest panes of glass in the industry our fixed windows define views otherwise not possible. With optional True Divided Light (TDL) and Simulated Divided Light (SDL) the possibilities for multi-pane units are limitless. Our TDL windows encompass a single frame with continuous mullions for a sleek look. A wide variety of reinforcements allow for significantly large sections within a multi-pane frame without the use of couplers (mulled units).

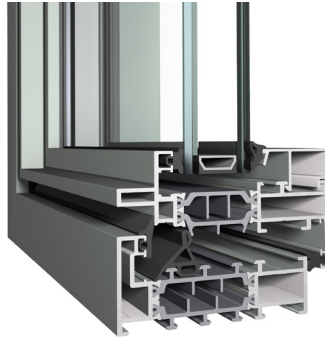
Profile Dimensions				Single Panel Max Sizes (in.)		Per Panel - Vertical TDL Sample Unit Sizes (in.)	
				Max.		Combination Sizes - Width   Height	
				W	H	W (Per Panel)	H (Total Unit)
Fixed	<b>CS 77</b> Functional	Frame	Standard	95 1/2	143 1/2	40	77
			Reinforced			72	143 1/2
	<b>SL 38</b> Cubic	Frame	Standard	95 1/2	143 1/2	40	75
			60mm Reinforced			40   70	100   90
			100mm Reinforced			50	120
	<b>SL 38</b> Classic	Frame	Standard	95 1/2	143 1/2	40	84
			60mm Reinforced			40   70	108   96
			100mm Reinforced			70	120

# OPERABLE WINDOWS | PRODUCT SOLUTIONS



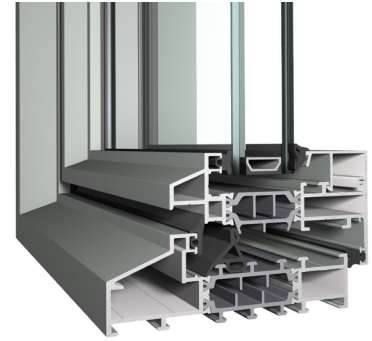
## SL 38 CUBIC-CUBIC

Mixes a slim look with sleek modern design geometry with common language to the functional profiles featured throughout other systems.



## SL 38 CUBIC-FERRO

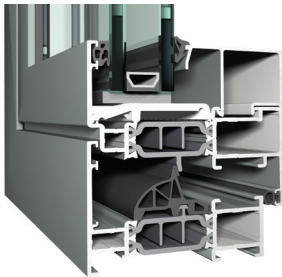
Adds a flare to typical modern design lines with a vent reveal for a unique look.



## SL 38 CLASSIC-CLASSIC

Combines elegance and comfort featuring a classic design with narrow sight-lines for a steel look.

## CONCEPT SYSTEM CS 77

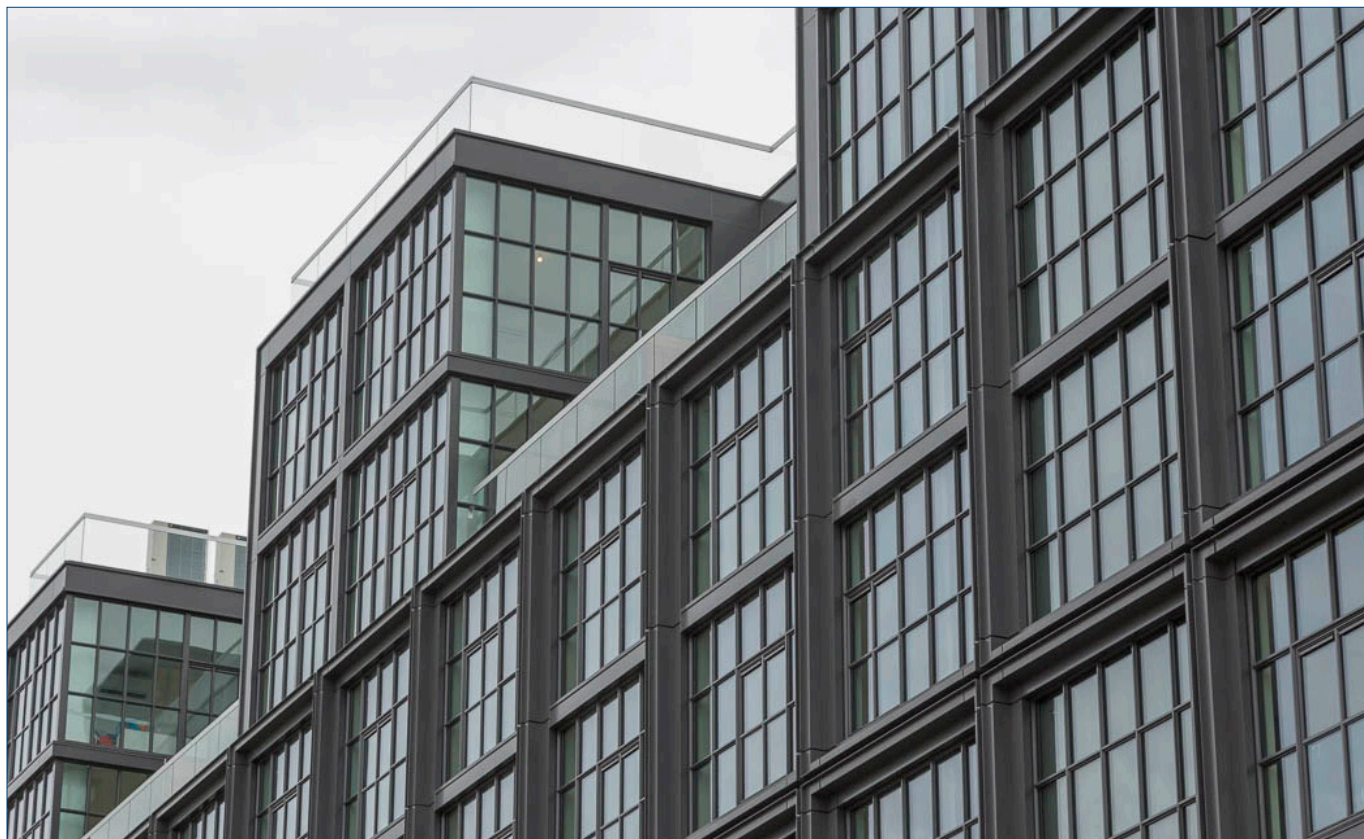


**CS 77** features a robust functional profile yielding the largest panes of glass matching a variety of different building types with inward and outward openings configurations








Profile Dimensions				Visible Width (in.)									System Depth (in.)	
				Frame-Vent			Vent-Mullion			Vent-Vent			Frame-Vent	Frame
		Vent Size	Small	Medium	Large	Small	Medium	Large	Small	Medium	Large	All	All	
Operable	<b>CS 77</b> Functional Frame	Vent Standard	4 1/2	5	5 1/2	5 1/2	6	6 1/2	7 1/2	8 9/16	9 9/16	3	2 11/16	
	<b>SL 38</b> Cubic Frame	Vent Cubic, Ferro, Classic	2 13/16	3 5/8	4	3 3/8	4 1/8	5 1/2	4 3/4	6 1/4	7	3 3/8	3	
	<b>SL 38</b> Classic Frame	Vent Classic	2 13/16	3 5/8	4	3 3/8	4 1/8	5 1/2	4 3/4	6 1/4	7	4 5/16	3 7/8	

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**BRINGING BACK THE STEEL LOOK WITH CUTTING EDGE THERMAL PERFORMANCE.** SL 38 is a highly insulated system with inward opening windows which combines elegance and comfort, with a unique design. This special slender steel look is the perfect solution for modern architecture and renovation of steel-framed windows, respecting the original design but offering a thermally improved solution. Mix multi-pane units that are comprised of fixed and operable vents for a synergy between, open views, ventilation and design essence.

Profile Dimensions		Min-Max Sizes (in.)													
		Small Vent				Medium Vent				Large Vent					
		Min.		Max.		Min.		Max.		Min.		Max.			
		W	H	W	H	W	H	W	H	W	H	H			
Operable	CS 77 Functional Frame	Open In	Tilt-Turn	26	27	54   64	88   72	26	27	58   68	96   80	26	27	48   58   68	110   96   80
			Hopper	24	21	72	49	24	21	72	49	24	21	72	49
			Dbl. Tilt-Turn / Casement	40	31	96	88	40	31	86	88	40	31	96	88
		Open Out	Awning (Roto)	22	19	60	45	22	19	60	60	22	19	60	60
			Awning (Push Out)	19	30	59	45	19	30	67	55	19	30	69	60
			Casement (Roto-crank)	21	21	43	72	21	21	43	72	21	21	43	72
	SL 38 All Frames Cubic Vent	Open In	Tilt-Turn	24	24	48   44	57   64	24	24	60   52	64   78	24	24	52   72	84   67
			Hopper	24	18	56	48	24	18	72	48	24	18	72	48
			Dbl. Tilt-Turn / Casement	38	30	80	57	38	30	N/A	N/A	38	30	N/A	N/A
		Open In	Tilt-Turn	24	24	56   52	64   70	24	24	52   64	84   67	24	24	48   56   68	110   96   80
			Hopper	24	18	56	48	24	18	72	48	24	18	72	48
			Dbl. Tilt-Turn / Casement	38	30	92   83	57   70	38	30	N/A	N/A	38	30	N/A	N/A

Performance Specifications			CS 77		SL 38		CS 77		SL 38		
			Fixed		Fixed		Operable		Operable		
			Glazing	Dbl.	Triple	Dbl.	Triple	Dbl.	Triple	Dbl.	Triple
	Thermal Insulation (Btu/hr-ft <sup>2</sup> ·°F)	Fixed	Uw	0.24	0.17	0.23	0.16				
			SHGC	0.2	0.15	0.19	0.21				
		Open In	Uw					0.24	0.17	0.25	0.19
			SHGC					0.16	0.12	0.2	0.17
		Open Out	Uw					0.34	0.27	0.32	0.26
			SHGC					0.17	0.13	0.16	0.15
	Acoustic Performance ASTM E90-09/1332	STC	43		44		42		42		
		OITC	34		34		35		35		
	Air Tightness (cfm/ft <sup>2</sup> )		0.04		0.01		0.04		0.01		
	AAMA Rating		AW PG120		AW PG100		CW PG 100 (Tilt-Turn) AW PG 100		AW PG100		
	Water Tightness (psf)		12.11		12.11		15		12		
All results based on gateway sizes; vary depending on glass/profile combinations   Above Uw & SHGC values do not necessarily work in combination											

**REYNAERS ALUMINIUM** is a symbol of high quality architectural windows and doors.

Reynaers continually leverages the latest world-wide technology to evolve our products into engineering marvels that are aesthetically breathtaking.

**THERMALLY BROKEN.** Reynaers exclusive state-of-the-art thermally broken technology uses fiberglass reinforced polyamide strips, providing a best-in-class insulating system for top-notch energy performance.

**ROBUST CORNER CONNECTIONS.** Reynaers superior fit & finish is most evident through the quality of our corner connection. Our corners are joined using corner cleats and keys. Profiles are then crimped with epoxy to tightly secure profiles in place.

**ENGINEERED & TESTED.** Reynaers products are engineered and tested to handle all types of environmental conditions, incorporating design pressures certified by AAMA (American Architectural Manufacturers Association) for structural performance with exceptional air and water tightness. Testing reports / product simulations are available for various product configurations.

**DRY GLAZING.** Dry glazing offers easier installation in any weather condition and allows for simple on-site glass replacement without requiring removal of frames or panels. This method provides the ultimate in air & water infiltration performance with gaskets on both sides of the glass.

**HIGH PERFORMANCE GLASS.** Reynaers products feature Guardian® glazing and Cardinal® glass. These panels include double or triple pane Low-E glass for maximum heat resistance and energy performance. Our systems have been certified by the NFRC with SHGC coefficients and U-values which go above & beyond most local code requirements.

DESIGNED IN EUROPE,  
WELL CRAFTED IN AMERICA