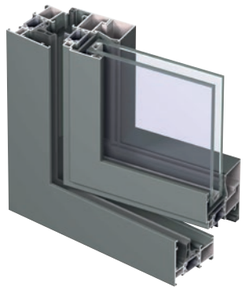
REYNAERS®
at home

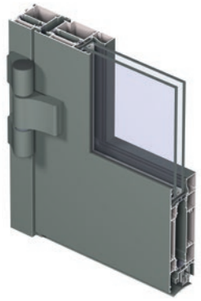
CS 68 Windows & Doors

CS 68 is a thermally-broken, multi-chambered system for windows and doors that offers excellent levels of security, weather resistance and thermal insulation.

The CS 68 system offers a comprehensive range of inward- and outward-opening window and door designs that are available in a range of four different styles, making it ideal for both traditional and contemporary building designs. Combined with a huge choice of colours and finishes, and the ability to specify a different colour inside and out, the CS 68 is a truly versatile system that can be specified to complement almost any home.



Window



Door

Style options

The CS 68 window and door system is available in four different style options. Whether you prefer the more traditional Renaissance style or the very clean and contemporary lines of the hidden vent style, the CS 68 has the aesthetics to complement almost any home.

Functional

Renaissance

Softline

Hidden vent

Performance

The CS 68 not only looks stylish but is also a great all-round performer in terms of thermal insulation, weather resistance and security:

- Whole window U-values as low as 1.22 W/m²K
- Up to 600 Pa air-tightness
- Up to 1200 Pa water-tightness
- Up to 2000 Pa wind load resistance
- WK2 and even WK3 security with UK Secured by Design security, PAS 24:2012 or BS7950 depending on window type

Window

Door

Technical characteristics

Style variants		Functional	Renaissance	Softline	Hidden vent
Min. visible width inward-opening window	Frame	51 mm	51 mm	51 mm	76 mm
	Vent	33 mm	33 mm	33 mm	not visible
Min. visible width outward-opening window	Frame	17.5 mm	-	-	-
	Vent	76 mm	-	-	-
Min. visible width inward-opening flush door	Frame	68 mm	-	-	-
	Vent	76 mm	-	-	-
Min. visible width outward-opening flush door	Frame	42 mm	-	-	-
	Vent	102 mm	-	-	-
Min. visible width T-profile		76 mm	76 mm	76 mm	126 mm
Overall system depth window	Frame	59 mm	68 mm	68 mm	59 mm
	Vent	68 mm	77 mm	77 mm	63.5 mm
Rebate height		25 mm	25 mm	25 mm	18.5 mm
Glass thickness		up to 44 mm	up to 44 mm	up tp 44 mm	up to 40 mm
Glazing method		dry glazing with EPDM or neutral silicones			
Thermal insulation		23 mm omega-shaped fibreglass reinforced polyamide strips			

Performances

Energy											
	Thermal insulation(1) EN 10077-2	Uf-value between 1.8 W/m²K and 2.9 W/m²K, depending on the frame/vent combination									
Comfort											
	Acoustic performance(2) EN ISO 140-3; EN ISO 717-1	Rw (C; Ctr) = 37 (-1; -4) dB / 44 (-2; -5) dB, depending on glazing type									
	Air-tightness, max. test pressure(3) EN 1026; EN 12207	1 (150 Pa)		2 (300 Pa)		3 (600 Pa)		4 (600 Pa)			
	Water-tightness(4) EN 1027; EN 12208	2A (50 Pa)	3A (100 Pa)	4A (150 Pa)	5A (200 Pa)	6A (250 Pa)	7A (300 Pa)	8A (450 Pa)	9A (600 Pa)	E750 (750 Pa)	E (1200 Pa)
	Wind load resistance, max. test pressure(5) EN 12211; EN 12210	1 (400 Pa)	2 (800 Pa)	3 (1200 Pa)	4 (1600 Pa)	5 (2000 Pa)	Exxx (>2000 Pa)				
	Wind load resistance to frame deflection(5) EN 12211; EN 12210	A (≤ 1/150)		B (≤ 1/200)		C (≤ 1/300)					
Safety											
	Burglar resistance(6) ENV 1627 - ENV 1630, UK SBD PASS	WK 1		WK 2 (windows and doors)		WK 3 (flush doors)					

This table shows classes and values of performances, which can be achieved for specific configurations and opening types.

(1) The Uf-value measures the heat flow. The lower the Uf-value, the better the thermal insulation of the frame.
(2) The sound reduction index (Rw) measures the capacity of the sound reduction performance of the frame.
(3) The air tightness test measures the volume of air that would pass through a closed window at a certain air pressure.
(4) The water tightness testing involves applying a uniform water spray at increasing air pressure until water penetrates the window.
(5) The wind load resistance is a measure of the profile's structural strength and is tested by applying increasing levels of air pressure to simulate the wind force. There are up to five levels of wind resistance (1 to 5) and three deflection classes (A,B,C). The higher the number, the better the performance.
(6) The burglar resistance is tested by static and dynamic loads, as well as by simulated attempts to break in using specified tools.

REYNAERS®

at home

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REYNAERS aluminium

RAH0159 May 2018