



## CS 86 Windows & Doors

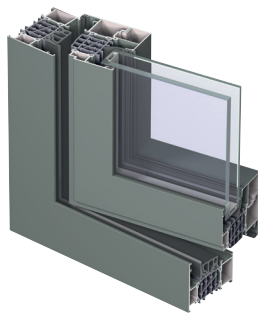
CS 86 is a thermally-broken, multi-chambered system for windows and doors that offers excellent levels of security, weather resistance and thermal insulation.

The CS 86 system offers a range of inward-opening windows and both inward- and outward-opening door designs that are available in two different contemporary styles. Combined with a huge choice of colours and finishes, and the ability to specify a different colour inside and out, the CS 86 is a high performing and very attractive system.

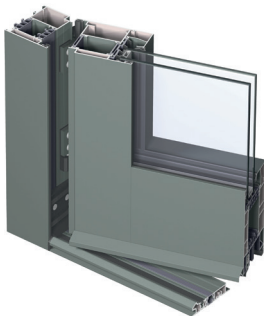
The clever design and high specification of the polyamide thermal strips and weather gaskets with multiple hollow chambers makes it possible to achieve superior thermal insulation levels. A variant of the CS 86-HI has been awarded the coveted Swiss Minergie accreditation.







Window



Door

## Style options

The CS 86 window and door system is available in two different style options. The functional style offers clean flat surfaces for both window and outer frame. The very modern hidden vent style hides the opening vent behind the outer frame giving a very contemporary and unfussy appearance.



Functional



Hidden vent

## Performance

The CS 86 not only looks stylish but is also a very high performing system in terms of thermal insulation, weather resistance and security:

- Whole window U-values as low as 0.88 W/m²K
- Up to 600 Pa air-tightness
- Up to 900 Pa water-tightness
- Up to 2000 Pa wind load resistance
- WK2 security, UK Secured By Design, PAS 24:2012



Window









Door

## Technical characteristics

Style variants		Functional	Hidden vent
Min. visible width inward-opening window	Frame	51 mm	70 mm
	Vent	35 mm	not visible
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	Frame	76 mm	95 mm
	Vent	77 mm	77 mm
Overall system depth window	Frame	77 mm	77 mm
	Vent	86 mm	79 mm
Rebate height		25 mm	17 mm
Glass thickness		up to 62 mm	up to 46 mm
Glazing method		dry glazing with EPDM or neutral silicones	
Thermal insulation		41 mm fibreglass reinforced polyamide strips in skeleton structure or hollow chamber shape 32 mm (flexible) expansion strips	

## Performances

Energy		Uf-value down to 1.20 W/m²K depending on the frame/vent combination and the glass thickness											
	Thermal insulation <sup>(1)</sup> EN ISO 10077-2												
Comfort													
	Acoustic performance <sup>(2)</sup> EN ISO 140-3; EN ISO 717-1	Rw (C; Ctr) = 36 (-1; -4) dB / 44 (0; -2) dB, depending on glazing type											
	Air-tightness, max. test pressure <sup>(3)</sup> EN 1026; EN 12207	1 (150 Pa)		2 (300 Pa)		3 (600 Pa)		4 (600 Pa)					
	Water-tightness <sup>(4)</sup> EN 1027; EN 12208	1A (0 Pa)	2A (50 Pa)	3A (100 Pa)	4A (150 Pa)	5A (200 Pa)	6A (250 Pa)	7A (300 Pa)	8A (450 Pa)	9A (600 Pa)	E (900 Pa)		
	Wind load resistance, max. test pressure <sup>(5)</sup> 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 <sup>(5)</sup> EN 12211; EN 12210	A (≤1/150)				B (≤1/200)				C (≤1/300)			
Safety													
	Burglar resistance <sup>(6)</sup> ENV 1627 - ENV 1630, UK SBD PASS	WK 1				WK 2 (windows and doors)				WK 3			

This table shows possible classes and values of performances. The values indicated in grey are the ones relevant to this system.

<sup>(1)</sup> The Uf-value measures the heat flow. The lower the Uf-value, the better the thermal insulation of the frame.

<sup>(2)</sup> The sound reduction index (Rw) measures the capacity of the sound reduction performance of the frame.

<sup>(3)</sup> The air-tightness test measures the volume of air that would pass through a closed window at a certain air pressure.

<sup>(4)</sup> The water-tightness test involves applying a uniform water spray at increasing air pressure until water penetrates the window.

<sup>(5)</sup> 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. Note: The weather performance data above is for windows and not for doors (contact Reynaers for further information).

<sup>(6)</sup> The burglar resistance is tested by statistical and dynamic loads, as well as by simulated attempts to break in using specified tools.

<sup>(7)</sup> Please refer to Reynaers CE passport for all technical data including size limitations.



Reynaers Ltd • 111 Hollymoor Way • Northfield • Birmingham • B31 5HE  
T 0121 421 1999 E [homeuk@reynaers.com](mailto:homeuk@reynaers.com)  
[reynaersathome.co.uk](http://reynaersathome.co.uk)

Part of the Reynaers family

