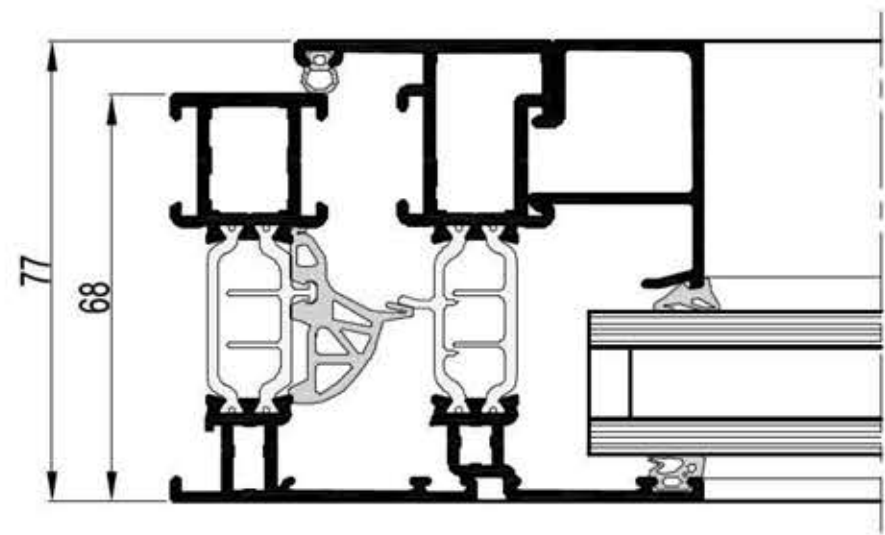


# CS 77

Windows & Doors



## Optimised safety and comfort

CS 77 is a high insulating window and door system that meets elevated requirements regarding thermal insulation, stability and security.

The system's performance regarding acoustics, water- and air tightness, but also for specific applications like Bullet - and Fire Resistance, meets the most severe European standards. Moreover, CS 77 is available in different burglar resistance levels (class 2 & 3) making it an extremely secure system. For insulation, CS 77 even achieved the Swiss Minergie® component label.

To match the different building types, the system is available in a variety of aesthetic styles: Functional, Softline and Hidden Vent.

The CS 77 system includes a complete range of solutions for all types of inward and outward opening windows and doors. Ultimate combination possibilities with the CP 130 sliding system and Ventalis ventilation units, makes CS 77 extremely suitable for all types of building concepts, even with the highest safety requirements.



FUNCTIONAL

HIDDEN VENT

SOFT LINE

## TECHNICAL CHARACTERISTICS

Min. visible width inward opening window	Frame	51 mm	76 mm	51 mm
	Vent	33 mm	not visible	33 mm
Min. visible width inward opening flush door	Frame	68 mm	-	-
	Vent	76 mm	-	-
Overall system depth window	Frame	68 mm	68 mm	68 mm
	Vent	77 mm	72.5 mm	77 mm
Rebate height		25 mm	18.5 mm	25 mm
Glass thickness		up to 53 mm	up to 49 mm	up to 40 mm

## PERFORMANCES

Thermal insulation	Uf-value down to 1.2 W/m <sup>2</sup> K depending on the frame/vent combination and the glass thickness
Acoustic performance	Rw (C;Ctr) = 36 (-1;-4) dB / 42 (-2;-4) dB, depending on the glazing type
Air tightness	Up to 600 Pa (class 4)
Wind load resistance	Up to 2000 Pa (class 5)
Water tightness	Up to 900 Pa (class E900)
Burglar resistance	Up to RC 3 (EN 1627 & NEN 5096)