



CP155

sophistication for quality & insulation



CP 155 is a premium insulated sliding system with elevated performances.







The sophisticated concept fulfils the user's high expectations of optimum quality, high insulation and ease of operation. The system gives a lot of design freedom by allowing very large dimensions up to 3 meters in height and up to a vent weight of 400 kg.

Thanks to the "High Insulation" upgrade, the system can achieve superior insulation levels down to 1.07 W/m²K (Uf

value). This results in a glazed element with insulation values lower than 1.0 W/m²K, allowing the CP 155-HI system, which is certified with a Minergie label, to be used for low energy buildings.

Furthermore, the system is available with a low threshold that creates a perfect continuity between the indoor and outdoor spaces and improves the accessibility to the building. This accessibility and comfort is further improved by the solutions for automatic opening.



PERFORMANCES										
	ENERGY									
	Thermal Insulation ⁽¹⁾ EN ISO 10077-2	Uw-value down to 1.07 W/m ² (*), depending on the frame/vent combination.								
	COMFORT									
	Acoustic performance ⁽²⁾ EN ISO 140-3; EN ISO 717-1	Rw (C; Ctr) = 35 (-2;-5) dB / 42 (-1;-3) dB, depending on glazing type								
	Air tightness, max. test pressure ⁽³⁾ EN 12207	1 (150 Pa)		2 (300 Pa)		3 (600 Pa)		4 (600 Pa)		
	Water tightness ⁽⁴⁾ 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) E900 (900 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)
	Wind load resistance to frontal deflection EN 12211; EN 12210	A (1/150)			B (1/200)			C (1/300)		
	SAFETY									
	Burglar resistance ⁽⁶⁾ ENV 1627 - ENV 1630	WK1			WK2			WK3		

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

- (1) The Uw-value measures the heat flow. The lower the Uw-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 windforce. 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 statistical and dynamic loads, as well as by simulated attempts to break in using specified tools.

