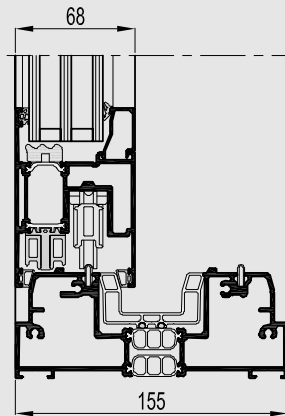




# CP 155

Sophistication for quality and insulation



Concept Patio® 155 is a premium insulating slide and lift-slide system, designed to create maximal glass areas, combined with increased comfort. The sophisticated concept fulfills the user's high expectations of optimum quality, high insulation and ease of operation.

The CP 155-High Insulation sliding system is specially designed to suit the requirements for low energy buildings. A specific variant of CP 155 monorail has even achieved the Swiss Minergie® component label.

CP 155 offers a lot of design freedom by allowing various opening possibilities. Different types of bottom profiles offer a multitude of solutions, from high water performance to easy access with the zero threshold version. The design solutions such as a monorail make the CP 155 sliding system perfect for contemporary architecture. Big glass panes up to 400 kg for a sliding vent and up to 1500 kg for a fixed glass pane provide ultimate transparency and allow maximal profit of daylight. A special corner solution even makes it possible to open up spaces without any fixed corner element, creating a perfect and clear continuity between indoor and outdoor spaces.

For increased comfort, an optional automatic opening solution is available and additionally, CP 155 can comply with burglar resistance class 2, offering a safe and secure solution.





## INTERIOR & EXTERIOR BECOME ONE

A sliding door opens up a multitude of possibilities. Through a sliding door, the garden is incorporated into the interior of the house. This creates an extra feeling of space and generates more natural light within the home.

## CP 155 SLIDE AND CP 155 LIFT & SLIDE

All types of CP 155 sliding door use durable wheels and stainless steel rails, for optimal opening comfort. In case of a lift & slide system, the sliding door will be lifted before sliding to serve smooth operation. In the closed position, the lift & slide door is put down and anchored, which is an extra plus for isolation and theft prevention. Both systems are completely wind- and waterproof.

## MONORAIL, DUO RAIL, 3-RAIL OR MULTI-RAIL

A **monorail** combines a moving part with a fixed glazed element, anchored directly into the outer frame profile, creating a minimalistic look. The sliding panel can be positioned on the outside or inside. The fixed part on the outside can be very convenient when large fixed glass panes need to be installed at elevated height or when building construction does not allow inside glazing.

MONORAIL	CP 155 / CP 155-HI	CP 155-LS / CP 155-LS/HI	CP 155-LS/HI WITH MINERGIE LABEL
	X	X	X

A **duo rail** integrates 2 glazed opening vents, which have an identical look resulting in an aesthetic sliding door. Both these vents can be made as sliding element, giving all flexibility to the users.

DUO RAIL	CP 155 / CP 155-HI	CP 155-LS / CP 155-LS/HI	CP 155-LS/HI WITH MINERGIE LABEL
	X	X	

A **3-rail** integrates an extra rail in the outer frame allowing a third opening vent to be installed. This solution allows the user to open-up 2 sliding doors, creating an opening which is double in size.

3-RAIL	CP 155 / CP 155-HI	CP 155-LS / CP 155-LS/HI	CP 155-LS/HI WITH MINERGIE LABEL
	X	X	

Even more flexibility is obtained with the unique principle of a **multi-rail**, available in the lift & slide variant. This multi-rail solution allows an expansion of elements up to eight rails, facilitating creative designs with very large openings.

## TECHNICAL CHARACTERISTICS

Variants		CP 155 / CP 155-HI	CP 155-LS / CP 155-LS/HI	CP 155-LS/HI WITH MINERGIE LABEL
Visible width / height	Frame	52 mm	45 mm	60 mm
	Vent	102 mm	102 mm	102 mm
	T-profile	from 76 mm till 154 mm	from 76 mm till 154 mm	from 76 mm till 154 mm
	Meeting section	115 mm	115 mm	115 mm
	Threshold	60 mm	20 mm	69 mm
	Meeting section 4 doors	212 mm	212 mm	n/a
Overall system depth	Frame	155 mm / 242 mm (3-rail)	155 mm / 242 mm (3-rail)	192 mm
	Vent	68 mm	68 mm	68 mm / 105 mm
Maximal Element height		3000 mm	3000 mm	3000 mm
Maximal vent weight sliding vent		250 Kg	400 Kg	400 Kg
Maximal vent weight fixed vent		1500 Kg	1500 Kg	1500 Kg
Rebate height		25 mm	25 mm	25 mm
Glass thickness		up to 52 mm	up to 52 mm	up to 61 mm
Glazing method		dry glazing with EPDM or neutral silicones	dry glazing with EPDM or neutral silicones	dry glazing with EPDM or neutral silicones
Thermal insulation		32 mm and 23 mm fibreglass reinforced polyamide strips with 3 chambers	32 mm and 23 mm fibreglass reinforced polyamide strips with 3 chambers	41 mm and 23 mm fibreglass reinforced polyamide strips with 3 chambers
HI variant		extra insulation gaskets	extra insulation gaskets	standard available



CP 155-LS/HI 3-rail









CP 155-LS/HI low threshold



CP 155-LS/HI with Minergie label

## PERFORMANCES

ENERGY												
	Thermal Insulation <sup>(1)</sup> EN ISO 10077-2	Uf-value up to 1.07 W/m <sup>2</sup> K (*), depending on the frame/vent combination.										
COMFORT												
	Acoustic performance <sup>(2)</sup> 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 <sup>(3)</sup> EN 12207	1 (150 Pa)		2 (300 Pa)			3 (600 Pa)		4 (600 Pa)			
	Water tightness <sup>(4)</sup> EN 12208	1A	2A	3A	4A	5A	6A	7A	8A (450 Pa)	9A (600 Pa)	E900 (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 frontal deflection EN 12211; EN 12210	A (≤ 1/150)				B (≤ 1/200)			C (≤ 1/300)			
SAFETY												
	Burglar resistance <sup>(6)</sup> ENV 1627 - ENV 1630	RC 1			RC 2				RC 3			

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 and glass.
- (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.
- (6) The burglar resistance is tested by static and dynamic loads, as well as by simulated attempts to break in using specified tools. This variant requires specific burglar resistance accessories.

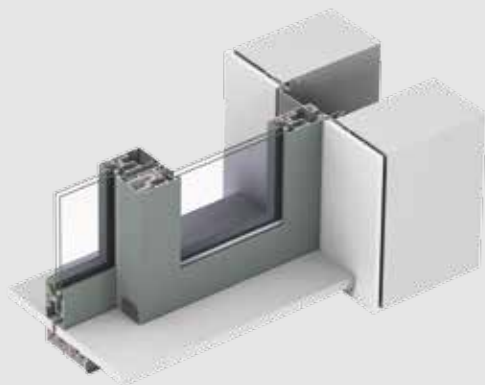
(\*) Value for HI-variant with Minergie label



## TOGETHER FOR BETTER

### THE POCKET OPTION

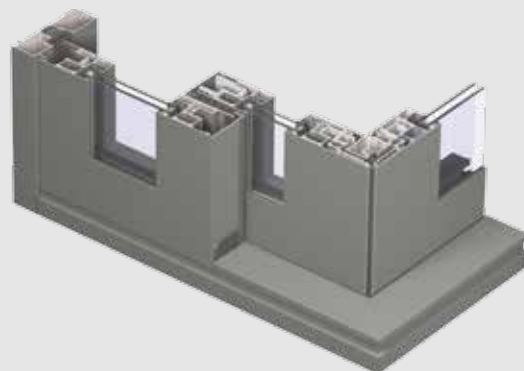
The modular pocket solution provides for up to eight vents to be slid into your wall, thereby creating an open space without visible elements when the window is open. Optimal flush aesthetics in the open position can be realized by applying the same finish on the cover profile and the wall. The pocket solution is available for the lift & slide systems in duo rail, 3-rail, or up to 8-rail (multi-rail) compositions.



### CP 155-LS CORNER

A newly-developed corner solution makes it possible to open up spaces without any fixed corner element.

This innovation is an answer to the current architectural need for large glass surfaces with high insulation values. The corner solution creates a perfect opportunity to invite nature into your home, removing the indoor and outdoor boundaries.



Minergie is a sustainability label for new and refurbished buildings, with a focus on a high level of comfort in the building. To obtain this comfort level, the Minergie standards require high-grade, air-tight building envelopes and the continuous renewal of air in the building using an energy-efficient ventilation system. This Swiss Minergie standard is widely accepted and is referred to as a quality label.

