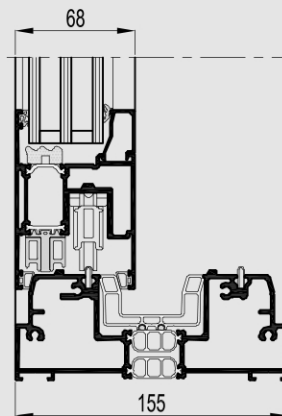




CP 155

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 MINERGLIE 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 MINERGLIE LABEL |
|----------|--------------------|--------------------------|-----------------------------------|
| | X | X | |

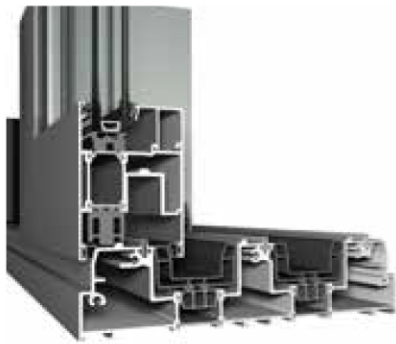
A **3-rail** integrates an extra rail in the outer frame allowing a third opening vent to be installed. This solution allows the user to open-up 2 sliding doors, creating an opening which is double in size.

| 3-RAIL | CP 155 / CP 155-HI | CP 155-LS / CP 155-LS/HI | CP 155-LS/HI WITH MINERGLIE 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 ⁽¹⁾ EN ISO 10077-2 | Uf-value up to 1.07 W/m ² K (*), 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 | 2A | 3A | 4A | 5A | 6A | 7A | 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) | | 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 ⁽⁶⁾ 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.

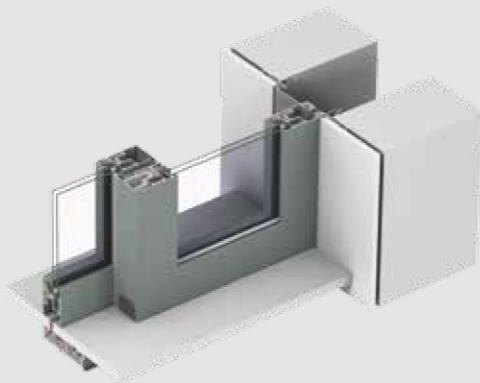
(*) Value for HI-variant with Minergie label



TOGETHER FOR BETTER

THE POCKET OPTION

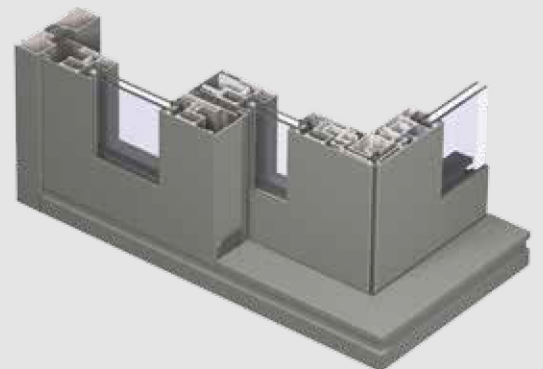
The modular pocket solution provides for up to eight vents to be slid into your wall, thereby creating an open space without visible elements when the window is open. Optimal flush aesthetics in the open position can be realized by applying the same finish on the cover profile and the wall. The pocket 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.

