CP 155 Sliding Doors

CP 155 is a premium insulated sliding door system offering the highest levels of performance. This sophisticated system fulfils the user's high expectations of optimum quality, high insulation and ease of operation.

The inherent strength of this system makes it possible to offer very large dimensions – up to 3m in height and a maximum 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 in low-energy buildings. Furthermore, the system is available with a low threshold option that creates perfect continuity between indoor and outdoor spaces, and improves accessibility to the building.

This accessibility and comfort can be further improved with our solutions for automatic operation.

*Motorised operation recommended for heavier doors

Reynaers Aluminium

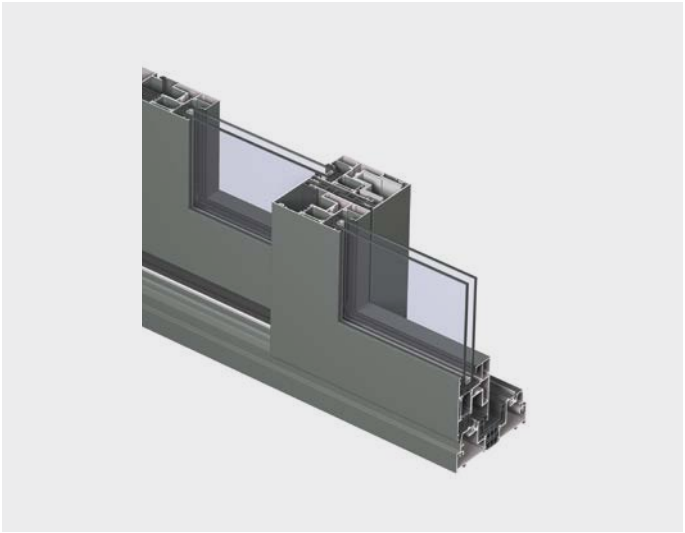
Reynaers at Home

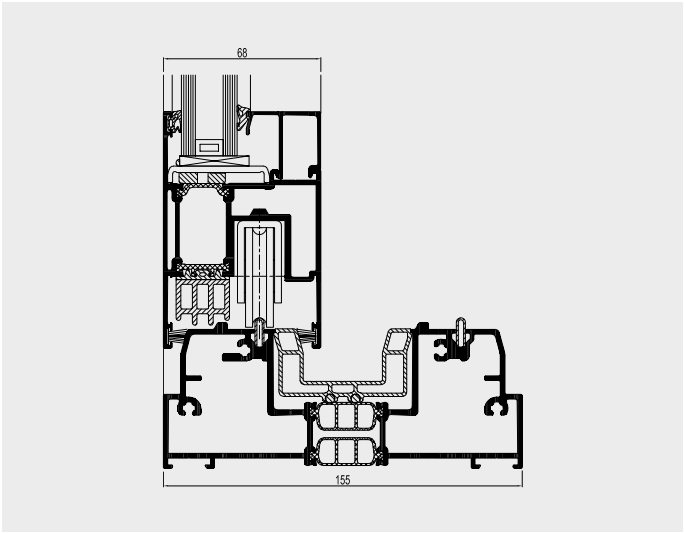
www.reynaersathome.co.uk

Letting the outside in

A sliding door opens up a multitude of possibilities. Open this door just a few centimetres for a little fresh air, a little wider to slip out into the garden or open it all the way to really let the outside in.

This versatile door creates an extra feeling of space and generates more natural light within the home.





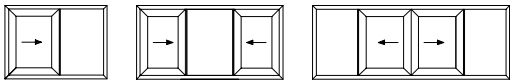
CP 155 Slide and CP 155 Lift & Slide

Every type of CP 155 sliding door uses durable, stainless steel wheels and rails for ease of operation. In the case of the lift and slide system, the sliding door is lifted slightly before opening and closing.

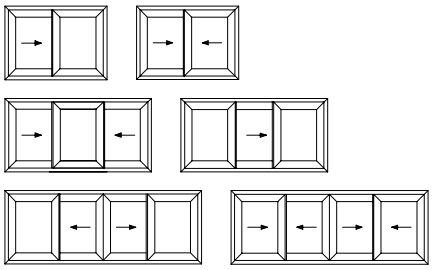
This reduces the friction and makes the operation smooth and effortless. In the closed position, the lift and slide door is lowered onto the track, providing additional weather resistance.

Monorail, duo rail or 3-rail

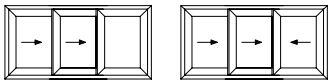
A monorail system combines a moving part with a fixed glazed element that is anchored directly into the outer frame profile for a minimalistic look. The fixed pane is normally set to the inside of the track and is internally beaded. If the Minergie specification product is required, the fixed pane will be set to the outside of the track and will be externally beaded.

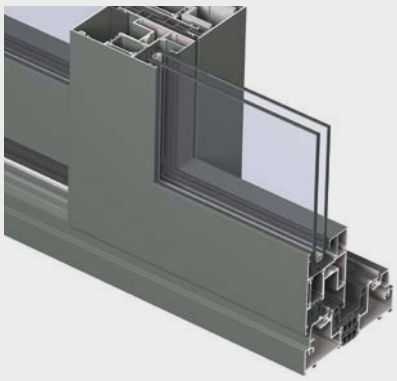
Monorail	CP 155 / CP 155-HI	CP 155-LS / CP 155-LS / HI	CP 155-LS/HI with MINERGIE® LABEL
	X	X	X

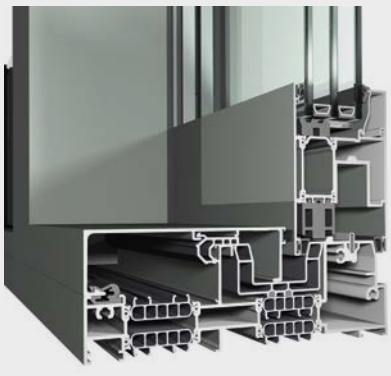
A duo rail system integrates two glazed opening vents with an identical appearance, giving an aesthetically pleasing and versatile sliding door. Both vents can be made as sliding elements, giving total flexibility.

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 system makes it possible for a third opening vent to be installed. This solution allows the user to slide door leaves one and two behind leaf three, opening up two-thirds of the width to the garden.

3-rail system	CP 155 / CP 155-HI	CP 155-LS / CP 155-LS / HI	CP 155-LS/HI with MINERGIE® LABEL
	X	X	





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	60 mm	60 mm
	Vent	102 mm	102 mm	102 mm
	T-profile	from 76 mm to 154 mm	from 76 mm to 154 mm	from 76 mm to 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
Maximum 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		
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 5 chambers
HI variant		extra insulation gaskets	extra insulation gaskets	standard available

Performances

Energy											
	Thermal insulation[1] EN ISO 10077-2	Uf-value down to 1.07 W/m² (*), 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	PAS24:2016									

This table shows classes and values of performance, 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.

Partner details

Our partners

Reynaers at Home connects you to a network of carefully selected Partners who will guide you through your home transformation process, from the initial design and specification stages through to the supply and installation of your bespoke aluminium window and door systems.

For more information, please visit **www.reynaersathome.co.uk**

Why Reynaers?

For over 50 years, Reynaers Aluminium Ltd has been designing cutting-edge glazing solutions for some of the most iconic buildings in the world.

Engineered without compromise, our ranges of aluminium windows, doors and curtain wall systems have been specified time and again by the world's leading architects and construction companies.

Reynaers Aluminium | Windows. Doors. Conservatories.

Together for better

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