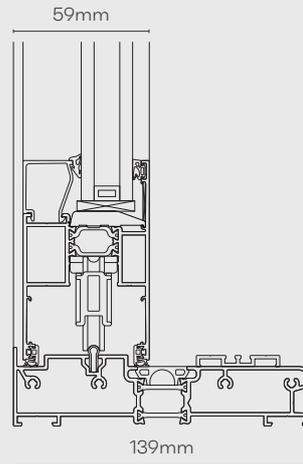
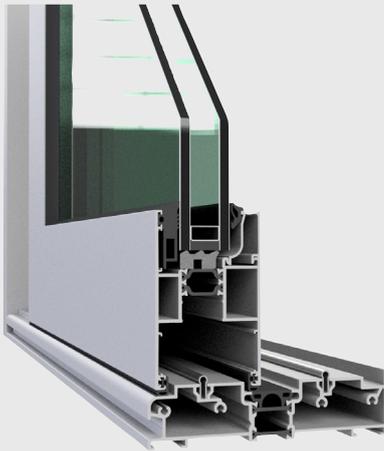


Fabricator: Weru Klass
Architect: LLOX Architecten



ConceptPatio® 130

Aluminium Lift and Slide Doors



Our ConceptPatio 130 (CP 130) has been the go-to sliding system within the aluminium joinery industry for many years. It is our most complete sliding system with 100+ different configurations, including an open corner, and a slim chicane. The variety of threshold options make it equally suitable for new-builds and renovation projects.

The system is thoroughly tested and its results are verified by independent notified bodies. Because of the broad range of available profiles and accessories, you can find the option exactly fitting your needs without overengineering the project, keeping costs under control.



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, resulting in less visible aluminium. The fixed pane can be positioned on the inside or on the outside of the element, the latter simplifies installation of large glass panes from the outside of the building.

MONORAIL	CP 130	CP 130-LS
	X	X
	X	

A **duo rail** integrates 2 tracks in its frame, which means the element will be symmetrical, with continuous lines. As all sashes can slide, users are very flexible with their interior design, now as well as in the future.

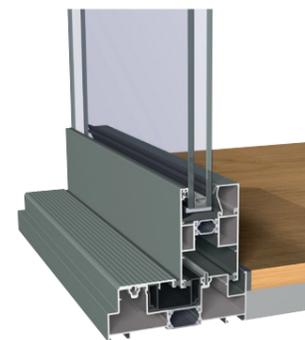
DUO RAIL	CP 130	CP 130-LS
	X	X

A **3-rail** integrates a third track in the outer frame. Biggest advantage of this solution is that you can create a maximum opening of almost 2/3 of the total element width. When all sashes are sliding, you can choose which side you put all 3 panels.

3-RAIL	CP 130	CP 130-LS
	X	X

TECHNICAL CHARACTERISTICS

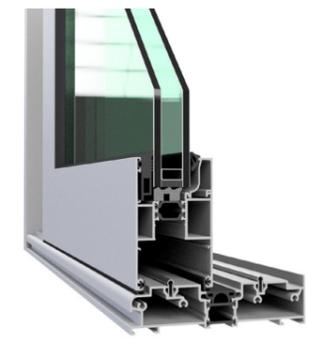
Variants		CP 130	CP 130-LS
Visible width / height	Frame / Threshold	50 mm / 28 mm	20 mm / 28 mm / 35 mm / 40mm
	Vent	94 mm	94 mm
	T-profile	from 76 mm till 154 mm	from 76 mm till 154 mm
	Meeting section	50mm / 69 mm / 98 mm	50mm / 69 mm / 98 mm
	Meeting section 4 doors	194 mm	194 mm
Overall system depth	Frame	Monorail : 130 mm Duo Rail : 110 mm / 130 mm / 139 mm 3-Rail : 181 mm / 210 mm	Monorail : 139 mm Duo Rail : 139 mm 3-Rail : 210 mm
	Vent	59 mm	59 mm
Maximal Element height		2700 mm	2700 mm
Maximal vent weight		300 kg	300 kg
Rebate height		25 mm	25 mm
Glass thickness		up to 43 mm	up to 43 mm
Glazing method		dry glazing with EPDM or neutral silicones	dry glazing with EPDM or neutral silicones
Thermal insulation		23 mm, 18,6 mm and 32 mm fibreglass reinforced polyamide strips	23 mm and 32 mm fibreglass reinforced polyamide strips
HI UK variant		extra insulation gaskets + Pex foams	extra insulation gaskets + Pex foams



CP 130 Internal Floor finishing profile



CP 130 Monorail Outside glazing



CP 130-LS 2-rail Low threshold

PERFORMANCES

ENERGY		DER rating C										
	Thermal Insulation EN ISO 10077-2	DER rating C										
COMFORT		Rw (C; Ctr) = 35 (-2;-6) dB / 39 (-1;-3) dB, depending on glazing type										
	Acoustic performance ⁽¹⁾ EN ISO 140-3; EN ISO 717-1	Rw (C; Ctr) = 35 (-2;-6) dB / 39 (-1;-3) dB, depending on glazing type										
	Air tightness, max. test pressure ⁽²⁾ EN 12207	1 (150 Pa)		2 (300 Pa)		3 (600 Pa)		4 (600 Pa)				
	Water tightness ⁽³⁾ 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)	E750 (750 Pa)	
	Wind load resistance, max. test pressure ⁽⁴⁾ 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		Tested to PAS24: 2016 ⁽⁶⁾										
	Burglar resistance ⁽⁵⁾	Tested to PAS24: 2016 ⁽⁶⁾										

This table shows possible performance classes and values and is a guide only. To obtain exact performance values for your chosen system configuration please contact a member of our Technical Team.

- The sound reduction index (Rw) measures the capacity of the sound reduction performance of the frame and glass.
- The air tightness test measures the volume of air that would pass through a closed window at a certain air pressure.
- The water tightness testing involves applying a uniform water spray at increasing air pressure until water penetrates the window. Depending on the bottom solution, different values are achieved.
- 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.
- 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.
- Please ask one of our Technical Team for the system configurations for PAS 24 certification.



TOGETHER FOR BETTER

SECURE SLIM CHICANE

The slim chicane variant of the CP 130 reduces the sightlines of the system even more, but does it exactly where it matters most: in the center of your view.

The slim chicane variant can be used in certain situations where you don't require a handle on the vertical profile.

The ConceptPatio 130 system has received PAS 24 2016 security certification. Ask one of our technical team for the system configurations for PAS 24 certification.

OPEN CORNERS

An open corner gives that special touch to any project, opening up spaces without any fixed corner profiles.

The corner solution creates a perfect opportunity to link your inside living areas with the terrace.

Please contact your local Reynaers representative for more information.



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