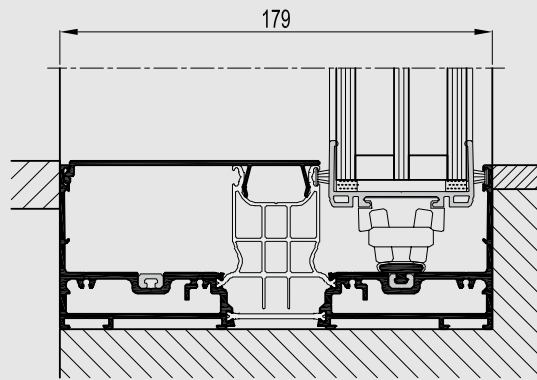




Architect: Crahay & Jammaigne Architectes
 Photo: Samuel Defourny

Hi-Finity

The infinite view



Enjoy an infinite view with ultimate performances! The ultra-slim design of the Hi-Finity sliding door creates large transparent surfaces, with a light, sleek and elegant appearance. This fully transparent and accessible sliding door, extending from floor to ceiling and reaching across the entire length of the façade, seamlessly connects the house's interior with the outside. The opening corner solution of Hi-Finity creates an even greater sense of openness and transparency. Despite the minimal visual sidelines, the system's high strength allows Hi-Finity to carry the weight of a large fixed glass pane up to 1200 kilograms, a manual vent up to 300 kg and motorized vents up to 750 kg.

This in combination with the high energy performance and the minimalistic look makes this product the best solution for low-energy contemporary architecture!



Security

The concept of the locking mechanism gives the door a high level of security. In combination with layered glass, Hi-Finity is burglary resistant, class RC2. The electric locking and unlocking is realized by a robust bolt and hook, operated by a simple push on the button or the remote control.

Full comfort

A dedicated and fully concealed motor ensures that the Hi-Finity sliding door opens and closes automatically, by the use of a switch or by connecting the motor to your home automation system. This high performance motor, with a capacity up to 750 kg, guarantees optimum convenience during use and is a safe and reliable solution.

Minimalistic design

By integrating the aluminium profiles into the walls, the glass surfaces are extending from floor to ceiling, creating the ultimate minimalistic appearance, merging indoor and outdoor into one. An extra design aspect is given by the design handle that has a slim, elegant and streamlined appearance.






High energy performance

The large glass surfaces of Hi-Finity give a great feeling of comfort, by offering the thermal efficient solutions of double and triple glazing. With Ud values of less than 1.0 W/m²K, these glass panels are perfectly suited for low energy houses. Consequently, Hi-Finity has been awarded the energy-saving Minergie quality label.



TECHNICAL CHARACTERISTICS

Variants		DOUBLE GLAZING	TRIPLE GLAZING
Height	Build-in frame	68 mm / 100 mm	
Visible width / height	Vent	8 mm / 10 mm	
	Meeting section	35 mm	
	Meeting section 4 doors	67 mm / 69 mm	
Overall system depth	Frame	Duo Rail : 147 mm 3-Rail : 234 mm	Duo Rail : 179 mm 3-Rail : 282 mm
	Vent	44 mm	60 mm
Maximal element height		3500 mm	
Maximal weight	Manual vent	300 kg	
	Motorized vent	750 kg	
	Fixed glass pane	1200 kg	
Glass thickness		36-38 mm	52-54 mm
Glazing method		Structural glazing	
Thermal insulation		41 and 50 mm fibreglass reinforced polyamide strips	

PERFORMANCES											
ENERGY											
	Thermal Insulation ⁽¹⁾ EN ISO 10077-2	Uf-value down to 1.4 W/m ² K, depending on the frame/vent combination.									
COMFORT											
	Air tightness, max. test pressure ⁽²⁾ EN 1026; EN 12207	1 (150 Pa)		2 (300 Pa)		3 (600 Pa)		4 (600 Pa)			
	Water tightness ⁽³⁾ EN 1027; 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 ⁽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											
	Burglar resistance ⁽⁵⁾ EN 1628-EN 1630; EN 1627	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 air tightness test measures the volume of air that would pass through a closed window at a certain air pressure.
- (3) The water tightness testing involves applying a uniform water spray at increasing air pressure until water penetrates the window.
- (4) 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.
- (5) The burglar resistance is tested by static and dynamic loads, as well as by simulated attempts to break in using specified tools.

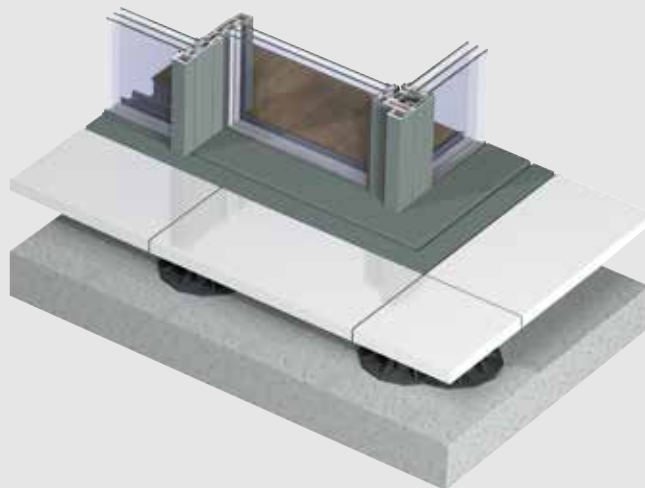


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TOGETHER FOR BETTER



HI-FINITY OPEN CORNER

A creative corner solution makes it possible to open up spaces without any fixed corner element. When the sliding door is open, the corner is entirely free, offering a unique solution for application in residential and public places where access to the exterior adds particular value, e.g. restaurants and club houses.

MINERGIE

This Swiss Minergie standard 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. The Hi-Finity triple glazing sliding system received the Minergie component label.

