Hi-Finity

The infinite view

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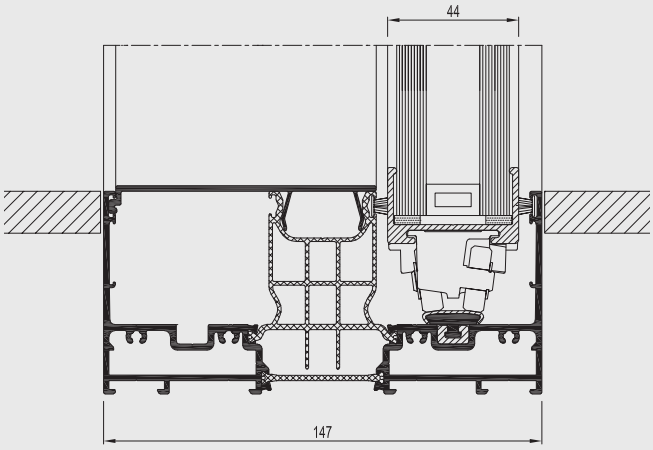
aluminium



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 seamlessly extends the house's interior to the outside. Despite the minimal visual sidelines, the systems high strength allows Hi-Finity to carry the weight of a large glass pane up to 500 kilograms.
This in combination with the high energy performance and the minimalistic look makes this product the best solution for low-energy contemporary architecture!

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LABEL 2013

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. With this handle, big opening surfaces can be easily operated. For an even higher level of comfort, a concealed motor opens the vents fully automatically by a push on the button or on the remote control.

High energy performance
Big glass surfaces are very compatible with thermal efficiency and a warm feeling of comfort. Hi-Finity is available in a double and triple glazed version creating a high thermal insulating solution.

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.

Arch.: Architektur Gmbh R. Harmann & M. Schüpbach

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 vent weight		500 kg / 300 kg motorized	
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 2.0 W/m²K, depending on the frame/vent combination with glazing thickness of 38 mm.								
	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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