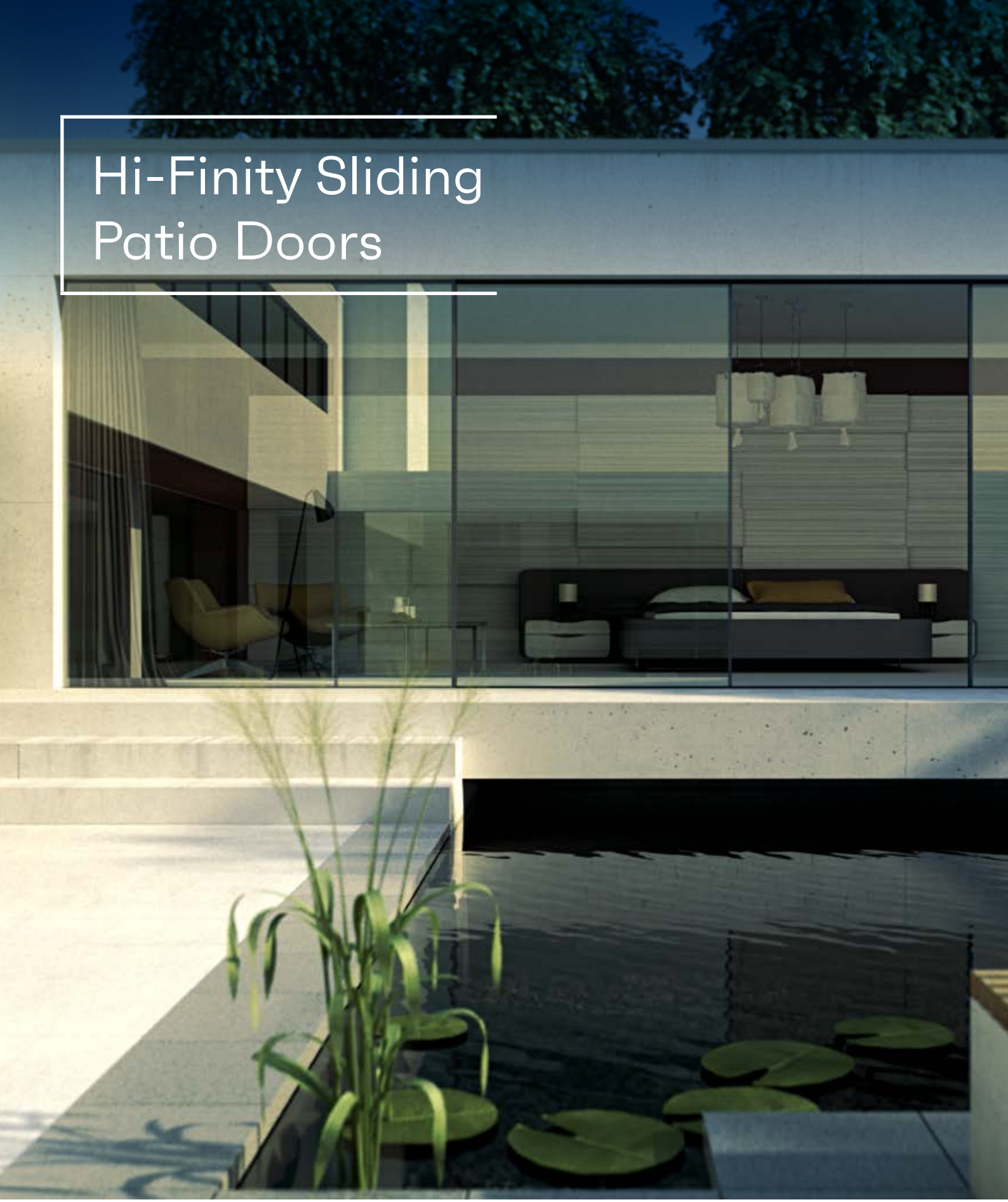
Hi-Finity Sliding Patio Doors



Reynaers Aluminium

Reynaers at Home

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“I have high expectations; I will not settle for second best”

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Elegance and excellence

The Hi-Finity patio door is the epitome of modern design, combining the ultimate in contemporary aesthetics with outstanding performance.

This state-of-the-art structurally glazed door offers the possibility of floor-to-ceiling and wall-to-wall glass, an ergonomically designed handle and a concealed locking system.

For the discerning homeowner or architect who wants the very latest in contemporary design and ultimate performance, the Hi-Finity door sets a new benchmark of excellence.

Big and beautiful

The Hi-Finity sliding door stretches the boundaries of what is possible when it comes to size. Designed to offer industry leading expanses of glass and uninterrupted views, these doors can be an imposing 4.0m tall.

The opening panels can weigh as much as 750kg and the fixed panels up to 1200kg.

Designed not to be seen

The outer frame can be built into the structure of the building, making the dream of floor-to ceiling and wall-to-wall glass a reality.

The interlock between door panels is incredibly narrow, measuring only 35mm wide, and the frame and spacer bars between the panes of glass are both black, helping the door to frame your view in the most unobtrusive way.

Living spaces with character and style

Reynaers' Hi-Finity door is much more than a functional divide between the house and garden. It can bring character and style to any living space.

The stunning open corner solution allows two perpendicular doors to open without the need for a corner post. This gives clear access to the garden and creates a suspended ceiling effect that becomes a feature of any room.

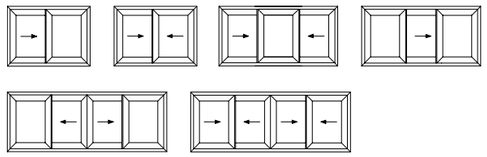
Genuinely effortless

Hi-Finity's ingenious design means that door panels weighing as much as 320kg can be opened and closed with surprisingly little effort.

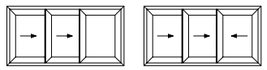
Alternatively, for the ultimate in convenience and prestige, the door can be fully automated. At the push of a button, the door smoothly glides open and closed, and when it is closed, it locks automatically giving you peace of mind that your home is secure.

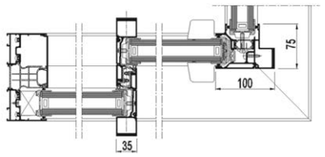
Designed to be versatile

Double track

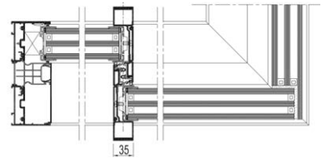


Triple track





Opening corner solution

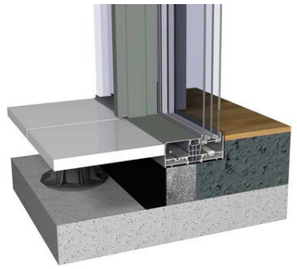


Fixed corner solution

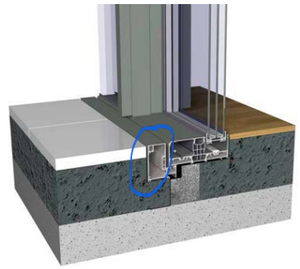
By combining these huge door panels in a range of double track and triple track designs, Reynaers can offer a truly panoramic expanse of glass to make the most of any view. It is even possible to combine two Hi-Finity doors on adjoining walls using one of our innovative corner solutions.

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	
	Wall	35 mm	
Overall system depth	Frame	Duo Rail : 148 mm 3-Rail : 236.5 mm	Duo Rail : 180 mm 3-Rail : 284.5 mm
	Vent	44 mm	60 mm
Maximal element height		4000 mm	
Maximal weight	Manual vent	320 kg	
	Motorized vent	750 kg	
	Fixed glass pane	1200 kg	
Glass thickness		36.5-38.5 mm	52.5-54.5 mm
Glazing method		Structural glazing (sliding) + Standard glazing (fixed)	
Thermal insulation		52 mm fibreglass reinforced polyamide strips	

Technically advanced



Without gutter



With gutter

This versatile sliding door system can be specified to meet the needs of any specific project:

- Choice of frame profiles
- Choice of double or triple glazing
- Solutions for installation with or without a gutter
- Industry-leading maximum height at 4.0m

Concealed locking mechanism makes it very difficult for would-be intruders to tamper with the lock

Concealed motor for the ultimate convenience

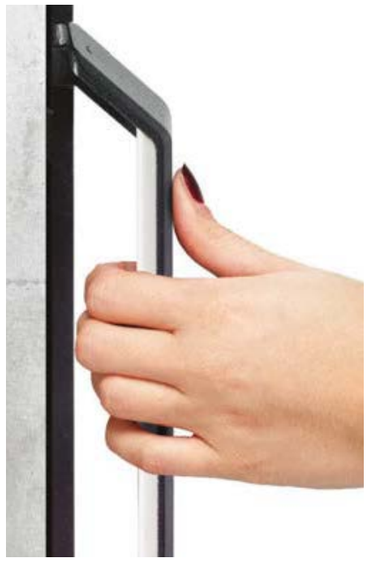
Automatic operation

All Hi-Finity doors incorporate an electronic locking system that is concealed in the top frame profile and is operated via either a wall-mounted push button or a remote control.

For the ultimate in convenience and to create a stunning feature in any room, the Hi-Finity door can be specified with an integrated motor that is concealed in the top frame profile. At the push of a button the door opens smoothly, and when closed the locks will automatically engage.

Attention to detail

The handle for the Hi-Finity sliding door is nothing less than a beautifully crafted masterpiece. Its slim design perfectly complements the contemporary styling of the door, and the soft touch materials and ergonomic design will bring a smile to your face every time you use it.



Credentials and accreditations

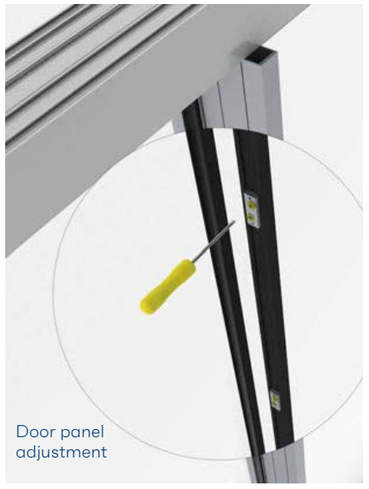
Reynaers is proud to be part of a well established and professional global organisation.

Our product range has been independently tested to meet and often exceed the requirements for a range of British and European standards. What is more, Reynaers is proud to have been awarded a number of additional accreditations, including ISO 9001:2008, ISO 14001 and ISO 50001.

ISO9001 ISO50001 ISO14001

Superior by design

Locking plate adjustment



Door panel adjustment

The Hi-Finity door is manufactured to very precise dimensions, however the apertures into which the doors are installed are not always quite so precise. Thanks to sophisticated, patented design it is possible to adjust both the locking plate and the alignment of the door panels on site, ensuring that your Hi-Finity door can be installed perfectly and will offer many years of reliable service.

Expert engineering

Exclusive wheel carriages combine engineering excellence and the very best materials

The design that makes it possible to move 320 kg of glass smoothly, easily and safely is tribute to an exceptional level of engineering expertise. This elegant sliding door exemplifies attention to detail and sophisticated design.

The compact wheel carriages (patent pending), are made using only the highest quality materials; with the six stainless steel wheels being set at an angle to operate smoothly with even the heaviest loads.

Performance

The Hi-Finity sliding door also offers exceptional levels of thermal insulation, weather resistance and security.

- Choice of double or triple glazing
- Ud values as low as 1.0W/m²K (for a door that is 4.5x2.3m with Ug 0.7 W/m²K and Psi of 0.07)
- Has been awarded the coveted Swiss Minergie accreditation for thermal efficiency
- Complies with European security standard RC2
- Air tightness up to class 4 (600Pa)
- Water tightness up to class 9a (600 Pa)[7]

Energy											
Thermal Insulation[1] EN ISO 10077-2	Uf-value down to 1.4 W/m²K, 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)	E750 (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[6]		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, 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.

(6) Only for motorized.

Reynaers Aluminium constantly seeks to improve its products and service for its customers. We, therefore, reserve the right to amend the product specification, from time to time.

The photographs in this brochure show Reynaers products which may occasionally differ in detail and appearance from those we currently sell.

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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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