

# OPENSOURCE

ALUMINIUM



**SLIM FRAME WINDOWS AND DOORS**  
for beautiful Open Spaces

[www: openspacealuminium.co.uk](http://www.openspacealuminium.co.uk)



## EXCEPTIONAL PRODUCT QUALITY

The unique combination of stunning aesthetics and excellent reliability, durability and performance has led architects and construction companies across the world to specify Reynaers products again and again.

We know that for many homeowners, choosing windows and doors for their home can be confusing. There are lots of things to bear in mind – security, insulation, weather resistance, design, reliability, appearance, colour, handles, and more.

At Open Space we have tried to make this decision a little easier. We have taken all our 20+ years of experience and expertise and can offer a market-leading range of residential windows and doors. This product range offers exceptional quality and value for money to the UK homeowner.

## LIVING IN STYLE

Choosing high-quality windows and doors can be a great investment in a number of ways. It can certainly add value to your home and make your home easier to sell. But, perhaps more importantly, it can change the way you live in your home, making your home a place to be proud of, a place that puts a smile on your face when you approach the front door, a place where you feel warm, safe and secure.

## MAXIMUM DAYLIGHT, OPTIMUM VIEWS

If you look at the average uPVC or timber window, you will notice that the frames tend to be quite wide. The inherent strength of aluminium makes it possible to design windows and doors with ultra-slim frames. This maximises the glass area, letting in more daylight and making the most of the views outside.

## NON-STICK WINDOWS AND DOORS

It is a fact that uPVC expands and contracts with changes to the ambient temperature. This can be as much as 3mm per metre, meaning a sliding door or bifold door that is 4 metres wide would have to accommodate as much as 12mm of change from one season to the next. In practical terms, this means the doors are likely to be draughty in the winter and stick in the warmer months.

Aluminium, by comparison, expands and contracts by no more than 1mm per metre, making it a far more suitable material for bigger windows and doors.







## ENVIRONMENTAL CHOICE

Aluminium is an abundant material that is 100% recyclable with no loss of quality. This means that when your windows reach the end of their long and useful life, they can be fully recycled to make more aluminium that is every bit as pure as the aluminium that was used to make the windows or doors in the first place.

Of course, the environmental benefits don't stop there. By improving the insulation of your home, you keep your energy use (and your heating bills) down, and this helps the environment too.

## HUNDREDS OF COLOUR OPTIONS

Another great advantage of aluminium is that there are literally hundreds of finishes to choose from. Many people opt for the standard white, grey or black frames, but if you want to make your house more individual, you can choose from a huge range of RAL colours in gloss or matt finishes or one of our hard-wearing, textured Coatex finishes. What's more, you can choose a different colour inside and out.

## WARM AND COSY

One of the most important factors for many homeowners when they are choosing their windows and doors is insulation. When replacing older windows with state-of-the-art new double- or triple-glazed aluminium windows, you will really notice the difference. What a pleasure it is to live in a home that is cosy and warm, while still reducing energy bills!

Designed with the benefit of 50 years' experience, Reynaers windows and doors offer industry-leading thermal performance with weather resistance to match. Even properties in the most exposed locations can withstand the worst that the British weather has to throw at them.

## SAFE AND SECURE



Keeping your family and possessions safe and secure when they are at home is immensely important when choosing your new windows and doors. You can rest assured that all Reynaers windows and doors are designed with security in mind and have been subjected to the most stringent of testing regimes.

Reynaers is proud to be able to offer a comprehensive range of residential windows, doors, sliding doors and bifold doors that have all been awarded the coveted Secured by Design accreditation. Secured by Design is the official police security initiative that aims to reduce crime and the fear of crime by designing more secure homes and commercial buildings.

## LOOKING GREAT

Aluminium windows and doors are as timeless as they are versatile. The slim frames and clean lines look perfectly at home on a modern house or apartment, yet they also complement the oldest and most traditional home, mimicking the sightlines of the old steel windows.

Aluminium has none of the unsightly weld marks that are a feature of most uPVC windows and doors, and there is no need to regularly repaint the frames as you would have to with timber.

With a great choice of colours and finishes, you can specify your Reynaers windows and doors to meet your precise requirements.

**OUR ULTRA-SLIM FRAMES  
MAXIMISE THE GLASS  
AREA, LETTING IN MORE  
LIGHT AND MAKING THE  
MOST OF THE VIEWS**





## TRIED AND TESTED

Our product development and testing centre in Belgium is truly a world-class facility. All our products are put through the most stringent series of tests to ensure that they meet or exceed the relevant British and European performance standards.

All of this means that you can rest assured that your windows and doors will be among the most secure, safe, weather-resistant and best-insulated windows and doors on the market.



ISO9001



ISO50001



ISO14001

## PEACE AND QUIET

Whether you live near a busy road, a railway or an airport, or perhaps are disturbed by noisy neighbours, unwanted noise can be annoying to even the most patient and understanding person.

Our windows and doors are designed with acoustic performance in mind and, especially when specified with suitable acoustic glass, can make a huge difference to the level of intrusive noise in your home.

If noise is a particular issue for you in your home, discuss the options with your chosen retailer – you might be surprised what a difference it can make.

## LOW MAINTENANCE

Aluminium windows and doors require very little maintenance: just an occasional wipe with a damp cloth is generally sufficient. With the sliding and bifold doors it is a good idea to run a vacuum cleaner along the track every so often to keep it clear of debris.





SLIDING DOORS COMBINE GREAT  
VERSATILITY WITH WONDERFUL  
UNOBSTRUCTED VIEWS





# CF 68 BIFOLD DOOR

## TRANSFORM YOUR LIVING SPACE

Bifold doors, or folding-sliding doors if you prefer, have found great popularity in the UK in recent years. This is no surprise, as they can truly transform your living space and become a feature of the room.

## FLEXIBILITY OF DESIGN

Choose the number of door leaves, and decide whether you would like them to open in or out. Then you can decide whether you want them all to open to one side or whether you would like to split them so some stack to one side and some to the other. Finally, you need to decide whether you want to have a 'traffic door' which allows you to open just one door to nip into the garden quickly, without having to open the other door leaves.

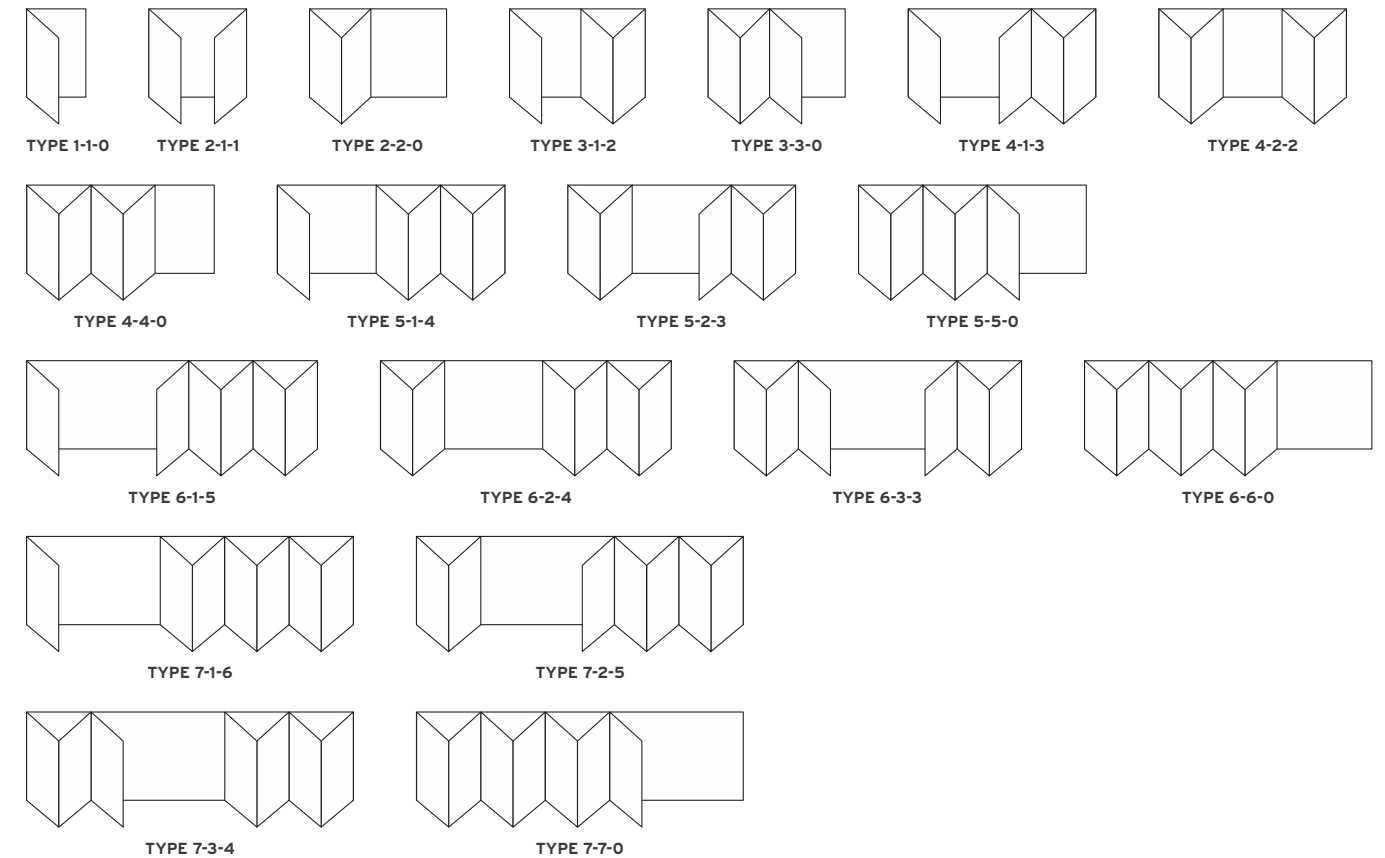
U-value	Down to 1.1 W/m <sup>2</sup> K*
Security	RC2, PAS24 and Secured by Design
Air-tightness	Class 4
Wind-resistance	C2/B3
Water-resistance	Up to Class 9a (600Pa)
Maximum Height	2.5 m
Maximum Door Width	1 m
Maximum Glass Thickness	55 mm

\* Door measuring 4,000 x 2,500 mm with Ug of 0.6 W/m<sup>2</sup>K



## CONFIGURATIONS

The following diagrams show the most usual design options. We recommend you discuss the options with your retailer, who should be able to offer some advice regarding which options best fit your particular opening.



## KEY FEATURES

- ✔ Unique adjustable side jamb for precise installation
- ✔ Comprehensive range of handles and accessories
- ✔ Dual-colour option – different colour inside and out
- ✔ Rigorously tested to offer the highest levels of performance
- ✔ Industry-leading thermal insulation
- ✔ Industry-leading weather resistance
- ✔ Industry-leading security – SBD
- ✔ Double- and triple-glazed options
- ✔ Four threshold options
- ✔ Slim frame
- ✔ Many configuration options
- ✔ Literally hundreds of colour options
- ✔ Strong and durable
- ✔ Low-maintenance
- ✔ High-quality sliding mechanism
- ✔ Smooth, reliable operation

# CP 130 SLIDING DOOR

## UNINTERRUPTED VIEWS

Imagine looking out onto your garden through a wall of glass...sliding doors can go a long way to making this a reality. Our sliding doors are designed to offer industry-leading maximum sizes, and with these huge panes of glass come uninterrupted, panoramic views and lots of natural daylight.

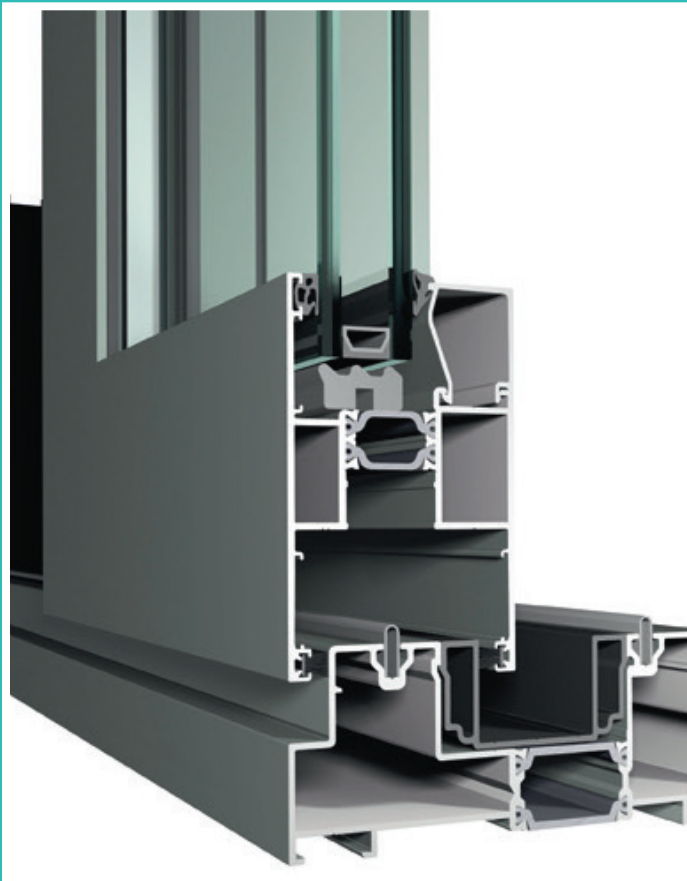
## EASY OPERATION

At first glance one brand of sliding doors may appear very similar to the next, but looks can be deceiving. When you open and close the doors, the difference is immediately evident.

The ease of opening and closing a CP130 door, particularly one that is fitted with the lift-and-slide mechanism, can be enough to make you smile. Reynaers' lift-and-slide doors have a longer handle which, when turned through 180°, lifts the door slightly, reducing the friction and allowing the door to open and close with the lightest of touches.

## RELIABILITY AS STANDARD

Not only are the doors designed to perform to the highest standards, the component parts are also made from only the best materials. The stainless steel rollers, for example, have been tested to thousands of cycles, so you can be confident that the door will keep opening and closing smoothly for years to come.



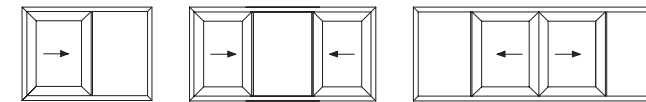
U-value Triple-glazed	Down to 1.1 W/m2K*
U-value Double-glazed	Down to 1.5 W/m2K†
Security	RC2, PAS24 and Secured by Design
Air-tightness	Class 4
Wind-resistance	C3
Water-resistance	Up to Class 9a (600Pa)
Maximum Height	2.7 m
Maximum Weight Of Door Panel	300 kg
Maximum Glass Thickness	42 mm

\* Monorail CP130-LS using a glazed unit with Ug value of 0.6 W/m2K | † Monorail CP130-LS using a glazed unit with Ug value of 1.1 W/m2K

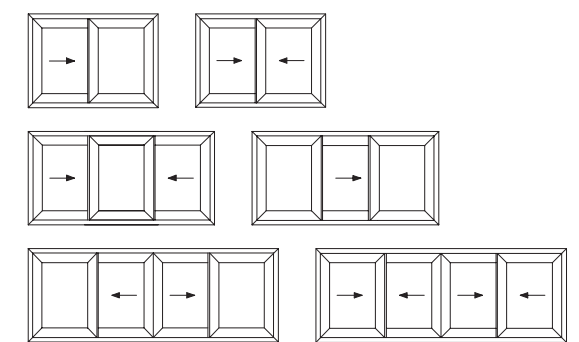
## CONFIGURATIONS

The CP 130 sliding door is available as a single-, double-, or triple-track system with the following configurations. We recommend you discuss the options with your retailer, who should be able to offer some advice regarding which options best fit your particular opening.

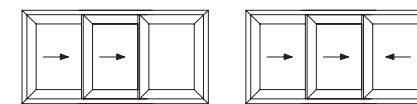
### MONORAIL



### DUO RAIL



### 3-RAIL



## KEY FEATURES

- ✔ Rigorously tested to offer the highest levels of performance
- ✔ High-quality stainless steel sliding mechanism
- ✔ Comprehensive range of handles and accessories
- ✔ Dual-colour option – different colour inside and out
- ✔ Choice of slide and lift-and-slide operation
- ✔ Industry-leading thermal insulation
- ✔ Industry-leading weather resistance
- ✔ Industry-leading security – SBD
- ✔ Industry-leading maximum sizes
- ✔ Optional slim meeting section
- ✔ Double- and triple-glazed options
- ✔ Flexible design options
- ✔ Strong and durable
- ✔ Smooth, reliable operation
- ✔ Low-maintenance
- ✔ Literally hundreds of colour options



# SLIMLINE 68 WINDOWS

## TRANSFORM YOUR HOME

Designed specifically to meet the needs of UK homeowners, the Slimline 68 window offers a perfect combination of exceptionally slim frames and the highest levels of performance.

With sleek, clean lines, these beautifully designed windows can transform the appearance of any home, adding value to the property while also making it warmer, brighter and more secure.

## CONFIGURATIONS

The Slimline 68 window is designed to offer the ultimate in flexibility. The strength of the aluminium frame and the clever design makes it possible to create windows with surprisingly large panes of glass. We recommend you discuss the options with your retailer, who should be able to offer some advice regarding which options best fit your particular openings.



U-value Triple-glazed	Down to 1.1 W/m2K*
U-value Double-glazed	Down to 1.5 W/m2K†
Window Energy Rating – Triple-glazed	A++*
Window Energy Rating – Double-glazed	A†
Security	PAS24 and Secured by Design
Air-tightness	Class 4
Wind-resistance	E2400
Water-resistance	E900
Frame Depth	68 mm
Maximum Glass Thickness	43 mm

\* Using glazed unit with a Ug value of 0.6 W/m2K and Pex foam

† Using glazed unit with a Ug value of 1.2 W/m2K and Pex foam

## KEY FEATURES

- ✔ Rigorously tested to offer the highest levels of performance
- ✔ Comprehensive range of handles and accessories
- ✔ Dual-colour option – different colour inside and out
- ✔ Adjustable corner profiles for bay and bow windows
- ✔ Huge range of design options
- ✔ Industry-leading thermal insulation
- ✔ Industry-leading weather resistance
- ✔ Industry-leading security – SBD
- ✔ Enhanced security with hinge-side security brackets
- ✔ Ultra-slim frame
- ✔ Two-stage keep offering night ventilation
- ✔ Multi-point locking system
- ✔ Double- and triple-glazed options
- ✔ Choice of internal or external glazing
- ✔ Unique thermal insulation profiles
- ✔ Easy-clean egress hinge option
- ✔ High-quality stainless steel friction stays
- ✔ Optional trickle vent
- ✔ Four sill options
- ✔ Literally hundreds of colour options
- ✔ Strong and durable
- ✔ Low-maintenance



## YOU CHOOSE

When choosing new windows and doors for your home, you can make a number of choices to ensure that your products are tailored to your exact needs.



### SLIDING DOORS OR BIFOLD DOORS

Bifold doors have been immensely popular in recent years for their ability to fold back and truly open up the house to the garden. Sliding doors, by comparison, offer larger panes of glass with a clearer view of the garden, and they can be opened just enough to give the ventilation you need.



### HUNDREDS OF COLOURS

Most people choose white, grey or black for good reason – they look great and are readily available. But if you want to have something more individual, you can choose from a vast selection of bespoke colours and finishes, and you can even have a different colour inside and out.



### DESIGNS

If replacing your existing windows and doors, you may choose to stick with the same designs or you may opt for something different. Reynaers windows and doors are versatile enough that most things are possible.



### DIRECTION

With bifold doors you can choose how many door leaves you have, whether they open in or out, and which side they stack. With sliding doors, you can again choose the number of door panels, and dictate which panels slide and in which direction.



### HANDLES

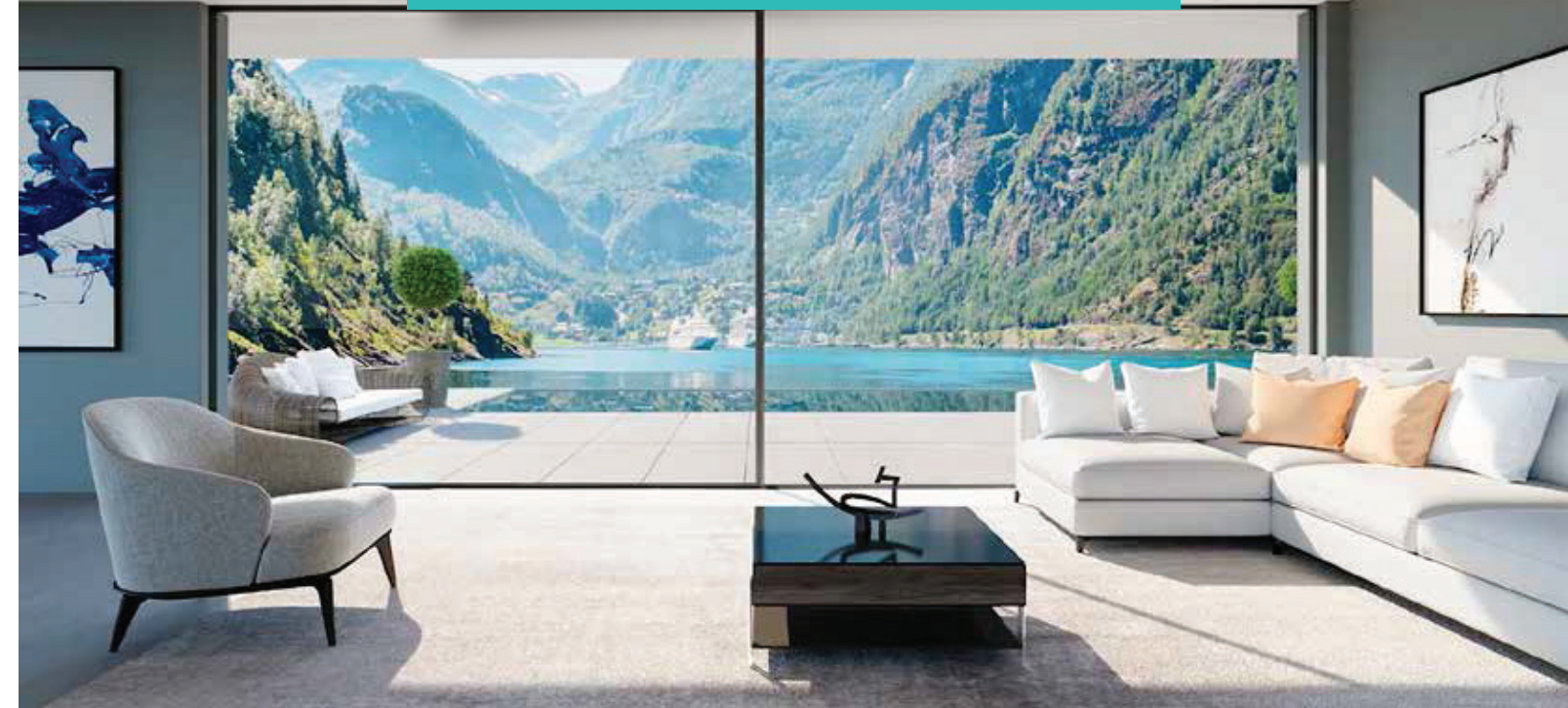
Handles are important, and most retailers will be able to offer you a choice of handle colours and styles.



### GLASS

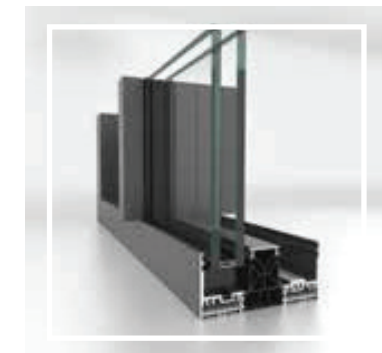
There are a number of specialist glass solutions available, especially if you have particular concerns over thermal insulation, security or noise. Your retailer should be able to provide all the necessary advice.

## HIFINITY ULTRA SLIM SLIDING



### ULTIMATE DESIGN FREEDOM

Available in a wide variety of configurations with open or glass corners, large and connected glass panels, motorised sashes, pockets and alternative threshold solutions, HiFinity can wrap itself around any building. And for the most challenging requests you can rely on our project department to design and deliver a bespoke solution, tailored to your needs.



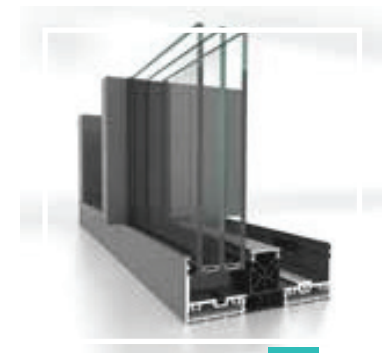
### ULTIMATE LUXURY

Designed to be invisible when you want it to be, but a closer look will reveal the high attention to detail. The excellent performances allow the system to be implemented equally comfortable in a residential suburban home as in a high-rise hotel near the seaside.



### ULTIMATE SOLUTION

All of this, in combination with the high energy performance and the minimalistic look, makes this product the go-to solution for low-energy contemporary architecture.





## EXPERTISE

HiFinity's field of application is very broad, from residential homes to large high-rise towers. Years of experience in the field have increased our project knowhow and resulted in significant upgrades to the system, improving the experience for everyone involved, from architect to home owner.

## INFINITE VIEWS

By integrating the aluminium profiles into the walls, the glass surfaces are extending from floor to ceiling, creating the ultimate minimalistic appearance, giving you a view without boundaries. The Floor Finish solution lets the threshold disappear below the flooring.

## HI-END PERFORMANCES

HiFinity is not only an elegant architectural product. It has the performances to back up the ambitions of being a full-fledged sliding system, capable of being used anywhere, even in challenging environments.

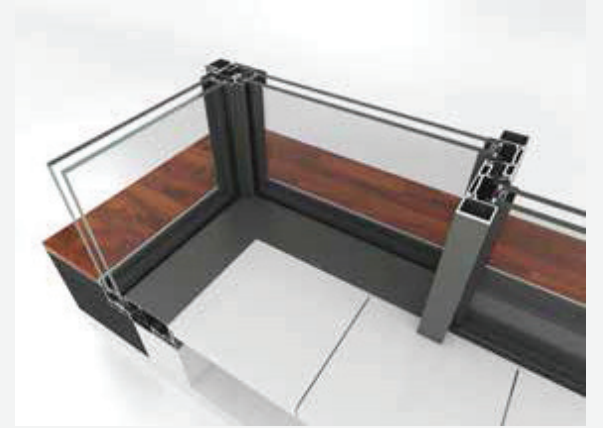
## MAXIMUM COMFORT

Linking multiple sliders to each other and a domotics system is easy with our thoroughly tested plug-and-play motor design. It enables the use of large, heavy sashes, with guaranteed optimum convenience during use. These large glass areas maximise the incoming light through the facade, creating a comfortable and spacious feeling inside.



## 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 places where access to the exterior adds particular value, expanding the living area, e.g. residential homes, penthouses, holiday homes and hotels.



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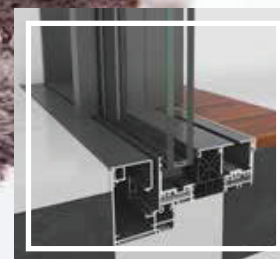
## FLYSCREEN

HiFinity now comes with a Flyscreen option, providing even more comfort. The main benefit of this Flyscreen is that it is completely concealed inside the vertical frame when not in use, preserving the clean lines you chose HiFinity for in the first place.

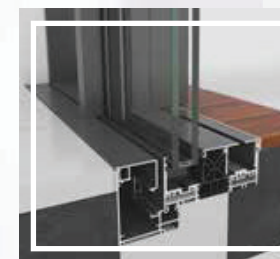
## ZERO THRESHOLD

HiFinity is always a zero threshold solution, but we also offer 2 alternatives:

**PROFILE FINISH**, lets you cover the track area, so the floor level remains the same everywhere, which is especially useful with multitrack solutions. **FLOOR FINISH**, lets you completely erase the system boundaries, by continuing the flooring on top of the system. When the door is opened, the bottom profile 'disappears'.



PROFILE FINISH








FLOOR FINISH



## 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	
	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	300 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	

## PERFORMANCES

ENERGY												
	Thermal Insulation <sup>(1)</sup> EN ISO 10077-2	Uf-value down to 1.4 W/m <sup>2</sup> K, depending on the frame/vent combination.										
COMFORT												
	Air tightness, max. test pressure <sup>(2)</sup> EN 1026; EN 12207	1 (150 Pa)			2 (300 Pa)			3 (600 Pa)			4 (600 Pa)	
	Water tightness <sup>(3)</sup> 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 (750 Pa)	
	Wind load resistance, max. test pressure <sup>(4)</sup> 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 <sup>(5)</sup> EN 1628-EN 1630; EN 1627	RC 1				RC 2 <sup>(6)</sup>				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.