

minimal windows[®]



architect's first choice

IQ GLASS

IQ Glass have been the UK's leaders in architectural glazing for many years. Our broad product range of architectural glazing products ensure that we can offer a full turnkey service for architectural design projects. Our completed projects have been recognised by some of the world's most exclusive awards such as the RIBA and our work is regularly featured in national TV and editorial publications.

minimal
windows®

The minimal windows® sliding system was designed by expert engineers; Keller AG. Based in Luxembourg the team at Keller combine their years of experience in both mechanical engineering with their love of fine design. The result is a sliding system that not only looks amazing but adheres to the strictest guidelines in performance and strength. The system is available exclusively from IQ in the UK.

“designed for architect's
by engineers”



the IQ experience

When you place an order for your sliding doors with IQ you don't just get a beautifully designed system with exceptional performance. You will also gain access to the vat experience of IQ and our extensive services, all designed to ensure that your architectural glazing project is a complete success.

Design Detailing

We have an in house team of detailed CAD engineers who detail each glazing installation to ensure a minimal finish and cohesive design. Each installation of minimal windows® is designed with your project requirements and building finishes in mind.

Expert Contract Management

Every architectural glazing project with IQ is overseen by a highly experienced Contracts Manager. They are your sole source of contact throughout the

glazing installation. With many years experience they can help advise on site logistics, performance requirements and installation techniques.

In House Installation Teams

The installation of architectural glazing is arguably one of the most important steps in its completion. Our in house team of glass technicians install these high specification glazing products every day, all year around, meaning that they are the most experienced glass handlers in the UK.

Built in Logistics

Fully stocked vans, integrated factory services, on van glass lifting equipment, dedicated mastic and survey teams... We have built a system that caters for every possible site scenario to ensure we are prepared and ready to overcome any site difficulty we face.



Slim Frames



The beauty of the minimal windows® system is the slim profiles. Maintain this sightline even with bi parting sliding doors.

Integrated Locking



The locking handle is integrated into the minimal vertical profile meaning there is no increase in frame size for locking. Various options are available.

Floor to Ceiling Glass



No large framing profile above the finished floor level. Instead achieve a floor to ceiling glass finish that really connects internal and external spaces.

High Performance



Thanks to the highly technical thermal break technology and high specification glass used these sliding doors achieve exceptional levels of performance.

Flush Treshold



Get a flush threshold from inside to out with all drainage hidden. Our exclusive base details ensure high levels of water resistance.

it's all in the details



the base detail

When specifying a slim framed sliding door system the base installation and design is one of the most important elements... even though it is hidden below the finished floor levels.

IQ have designed and engineered a series of exclusive base details for the minimal windows® designed to ensure a durable and stable base as well as facilitate for high levels of water drainage.

The Neoprene Drainage Base

This two part solid neoprene base creates a solid and continuous base for all the aluminium framing to sit onto. The resulting base does not dip or undulate over time creating a flat and even surface for a long life expectancy. The two part structure ensures the EPDM's are not penetrated.

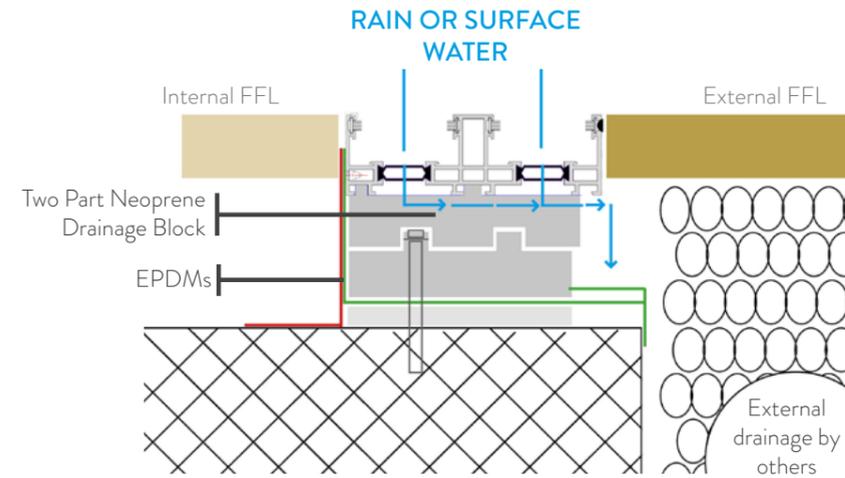
Integrated Drainage

This thermally insulating material is also part of the base drainage of the system. Any water on the glass or in the frame drains through the base profile onto the block below which directs the water to the outside.

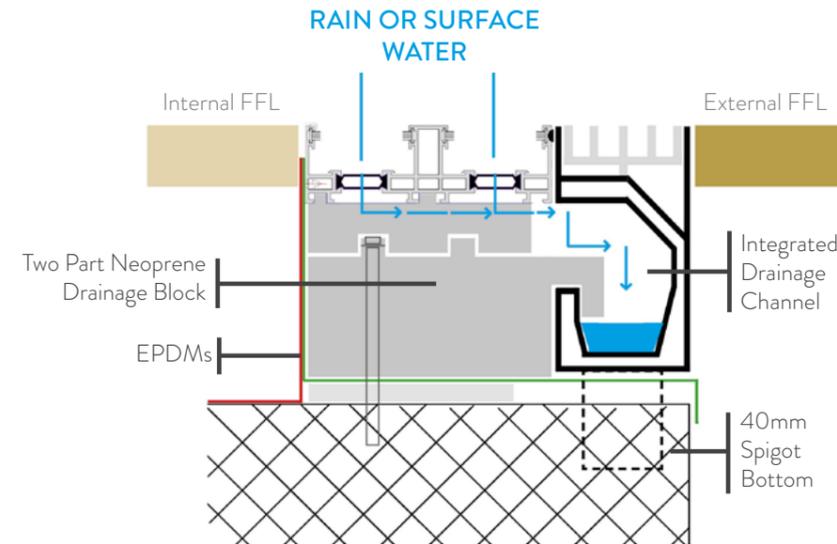
Drainage Options

We recommend our integrated drainage channel (right) however alternative drainage solutions are available to be specified. An alternative French Drain below the external floor finish is a popular alternative.

Our Neoprene Base with Drainage by Others



The IQ Integrated Drainage Channel



The minimal windows® sliding doors are fully tested and certified for security and are available with a range of locking options to suit your project.

locking + security

Lock Type 1



Internal two point locking operated by a thrust lever handle. Handle is applied to the side of the 21mm profile so no change in sightline or design occurs.

Lock Type 4



Internal two point locking operated by a removable key. Key entrance is applied to the side of the 21mm profile so no change in sightline or design occurs.

Additional Locking Options

Electromagnetic Locking

For electronic locking. Always required for automated minimal window® installations. Controlled via any specified electrical means.

External Key Locking

For externally accessed door sets. Key lock is installed into the wall structure so is only suitable for certain sliding door configurations.



minimal windows[®]

The minimal windows[®] sliding door is the first choice for architects and high specification designers looking for large glass elevations and minimal framing. The thermally broken aluminium frame ensures exceptional levels of performance with a vertical profile of only 21mm. The system is frameless to the head and base leaving you with a clear glass opening merging the barriers between inside and out.

Vertical Coupling Frame	21mm
Maximum Sliding Leaf Size	8.5m ²
Maximum Fixed Leaf Size	18m ²
Maximum Leaf Height	4m
Maximum Leaf Weight	500kg
Glass Thickness	26 to 34mm
Thermal Insulation	Uw value 1.1-1.5 W/m ² K
Barrier Free Accessibility	DIN 18040-1, DIN 18040-2
Air Permeability	Class 4 according to EN 12207
Driving Rain Tightness	Class 7A according to EN 12208
Resistance to Wind Load	Class C4/B5 according to EN 12210
Sound Insulation	up to 39 dB achievable
Security	up to RC2 according to EN 1627



minimal windows[®] 4+

For exceptional levels of thermal insulation, wind resistance and wind loading upgrade your system to the minimal windows[®] 4+. For only a marginally increase in framing you achieve Uw values of below 1.0 W/m²K as well as Hurricane levels of water and wind resistance. The sliding panes can also achieve much larger sizes to create even more impressive elevations of moving, sliding glass.

Vertical Coupling Frame	26mm
Maximum Sliding Leaf Size	12m ²
Maximum Fixed Leaf Size	18m ²
Maximum Leaf Height	4.5m
Maximum Leaf Weight	1000kg
Glass Thickness	50 to 56mm
Thermal Insulation	Uw value from 0.7 W/m ² K
Barrier Free Accessibility	DIN 18040-1, DIN 18040-2
Air Permeability	Class 4 according to EN 12207
Driving Rain Tightness	Class E1050 according to EN 12208
Resistance to Wind Load	Class C5 according to EN 12210
Sound Insulation	Rw (C;Ctr) up to 43 dB(-1;-5)
Security	up to RC2 according to EN 1627
Hurricane Resistance	3510Pa, Impact 15.5m/s (43mph)



minimal Guillotine

For vertically sliding window solutions choose the minimal windows® sash solution. Engineered from exactly the same aluminium profiles as the standard slider, these vertically sliding windows can be designed as a counterweighted solution or fully automated as required. The result is a dramatic double height glass elevation with minimal aluminium framing.

Vertical Coupling Frame	21mm / 26mm
Maximum Sliding Leaf Size	8.5m ² / 12m ²
Maximum Fixed Leaf Size	18m ²
Maximum Leaf Width	4m / 4.5m
Maximum Leaf Weight	500kg / 1000kg (automated)
Glass Thickness	26 to 34mm / 50 to 56mm
Thermal Insulation	Uw value 0.7-1.5 W/m ² K
Automation	Counterweighted / Automated
Air Permeability	Class 4 according to EN 12207
Driving Rain Tightness	Class 7A according to EN 12208
Resistance to Wind Load	Class C4/B5 according to EN 12210
Sound Insulation	up to 39 dB achievable
Security	up to RC2 according to EN 1627



minimal Pivot

Smaller doorways can still benefit from the simplicity of the minimal windows® range thanks to our pivoting solution. This pivoting window can be made to large sizes in a single unit, offering large glazed openings with minimal aluminium framing. The pivot system includes a self closing and hold open mechanism in order to adhere to the very highest standards in safety and convenience.

Vent + Frame	from 50mm
Maximum Leaf Width	2.4m
Maximum Leaf Height	3.7m
Glass Thickness	26 - 34mm
Thermal Insulation	Uw value 1.1-1.5 W/m ² K
Pivot Mechanism	Self Closing
Handles	D Handles, 320 - 1000mm tall



see them in person

The Courtyard Showroom in Amersham showcases the very best options in modern architectural glazing. The minimal windows® sliding door system takes pride of place in the spacious outdoor area. The system is shown at it's best using large sliding panes, opening corners, flush thresholds and a single pocket door. Book an appointment to visit and experience the latest advances in architectural glazing design.



[click here
to view our videos](#)



The Courtyard Showroom

Sky House

Raans Road

Amersham

Buckinghamshire

HP6 6JQ

01494 722 880

www.iqglassuk.com

hello@iqglassuk.com

