

OPAL

ALUMINIUM WINDOWS & DOORS

Aluminium is fast becoming the desired choice for windows and doors for many homeowners. Our Opal Aluminium range of products are suitable for residential, commercial, architectural, new build, heritage and retail markets. Aluminium is an important investment and will transform any project, providing longevity, pleasing aesthetics and fantastic thermal performance.

All our products are fabricated to the highest standard assuring the upmost supreme quality. We have built our business on providing all our customers with first class levels of service, both before and after-sales, which sets us apart from other aluminium fabricators.

OPAL
ALUMINIUM WINDOWS AND DOORS



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WHY OPAL FROM PREFIX?



We have built our business on providing all our customers with first class levels of service, both before and after-sales, which sets us apart from other aluminium fabricators. We have a dedicated team on hand to assist with any queries and a quotes team which aim to process all quotes within the same working day.

We are confident in saying we know our aluminium. Our team can be contacted at any stage of your enquiry to assist with any technical questions you may have. From the early stages of enquiring to fitting on site, you can speak to a member of our team at any time who will be more than happy to assist with any technicalities.



All our products are fabricated to the highest standard assuring the up-most supreme quality. Our manufacturing team take great pride in each and every product they fabricate with no product leaving our factory without undergoing intense quality control.

After you have received your products, our support doesn't end there. We have a professional, reliable and dedicated team that are on hand to offer you after-sales support if required. Should it be discovered on or after delivery any product to be found broken, missing or in a damaged condition we are here to assist you to resolve any issues.



We have our own fleet of delivery vehicles allowing us to deliver to any part of the UK free of charge. We can deliver to you or to site for added convenience. You will be given a delivery date that suits you and on request, updates from your driver with an estimated time of arrival. Our promise to you is to deliver on time, in full with alternative solutions when we can't giving you complete peace of mind.



We have a marketing support programme that enables us to support you with even more tools to succeed. We are able to offer posters, roller banners and leaflets along with samples to assist you with aluminium sales. We also have an overprinting option giving you the option to have your company logo and contact details on all our marketing materials.

ALUMINIUM VS. PVC

For many years PVC has always been the product of choice for windows and doors. More recently, aluminium has fast become the desired choice. for both domestic and commercial projects alike. Here we look at the differences between aluminium and PVC and why aluminium is inevitably the better choice.

LONGEVITY

Aluminium windows and doors are much more robust than PVC and with proper care they can be fitted to last around 50 years, whereas PVC has a much shorter shelf life of around 25 to 30 years.



COST

In a nutshell aluminium is more expensive than PVC - approx. 50% more. However, aluminium is an investment. They last much longer and have other qualities that make them worth the cost such as better thermal properties.



STRENGTH

Aluminium is much stronger and more durable than PVC. It is a low density metal, so you can achieve very slimline window frames which are sturdy and strong. It can also withstand any weather conditions.



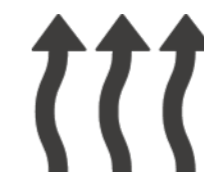
SECURITY

The robustness of aluminium offers superior strength to withstand any attacks. We use top-quality hardware and multipoint shoot-bolt locking mechanisms to completely secure our aluminium windows and doors.



ENERGY EFFICIENCY

Aluminium window and doors are thermally broken and exceed all u-value targets. The materials used have a very high resistance to heat transfer giving improved thermal efficiency and reduced condensation.



COLOUR

Different colour, finishes and textures on aluminium can be achieved by powder coating, which provides longevity of colour and performance. PVC has limited colour foil options which can be easily marked and damaged.



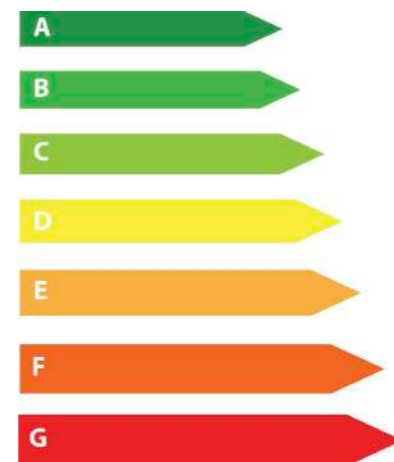
ENERGY EFFICIENCY & BUILDING REGULATIONS

With energy bills on the rise, thermal efficiency remains one of the number one priorities for most homes. Loss of heat plays a major part in the usability and comfort of any living space and as a result causes high energy bills. All the Opal windows and doors are enhanced with innovative polyamide thermal barrier technology which enables all our systems to exceed the energy performance requirements of current UK Building Regulations.

ENERGY RATINGS

Windows are assessed by the British Fenestration Rating Council (BFRC) and rated using a A to G scale on the basis of their total energy efficiency where an A rated window is more efficient than a G rated window. The rating covers the frame material, the frame design, glass type and all other components that make up the window.

- Building control requires windows to satisfy either a U Value of 1.6 or lower or a WER of C or better.
- Building control requires doors to satisfy either a U Value of 1.8 or lower or a WER of E or better.



BUILDING REGULATIONS

Document L

All the windows and doors we offer satisfy Building Regulations Part L for refurbishment and new-build applications. Part L of the building regulations, in tandem with the latest SAP guidance defines how energy efficient buildings should be, and sets building standards to reduce CO2 emissions. Alitherm Plus doors satisfy Part M.

Document Q

This latest addition to Building Regulations, brings security to the forefront by setting out reasonable standards for all doors and windows in all new residences or new doors and windows in older properties. Under the new standards, all new doors and windows should be made to a design that has been shown, by test, to meet the security requirements of PAS24:2012.

All homes must be able to demonstrate that the windows and doors satisfy Building Regulations by producing a certificate of compliance either from an approved installer or your Local Authority Building Control Department.

Please speak to our technical department if you require further clarification on Document L, Q, M or Building Regulations.

OPAL WINDOWS

LIVING | ELEGANCE | HERITAGE | TILT & TURN

Aluminium windows are fast becoming the material of choice for homeowners who want a low-maintenance window with high performance levels at an affordable cost. A naturally durable material, aluminium improves the warmth and energy efficiency of your home whilst also looking fantastic. The slim profiles mean more light and less frame providing a contemporary, sleek appearance. With a range of systems to choose from and hundreds of colours and finishes, aluminium windows are the perfect investment for any home.

Opal window systems are made to order with great pride right here in the UK. Each window system is designed, manufactured, quality checked, packaged and delivered to the highest of standards with each customer in mind. All Opal windows were designed to be as thermally efficient as possible. The profiles of each window feature an extended polyamide thermal break to enhance thermal performance - this in turn keeps the room warmer yet lowers energy bills. Current Building Regulations Part L require all replacement windows to have a U-value of 1.6 W/m²K or less. All our windows are 1.5 W/m²K or less.



OPAL LIVING

SIDE AND TOP HUNG WINDOWS WITH THREE SASH OPTIONS

Opal Living window system is our standard and most popular window offering which is suitable for PVC replacements throughout any home. The best thing about this window system is that it's available in a choice of three sash options - Ovolo, Chamfered or Square so there is a style to suit every discerning homeowner. It can achieve a U value of 1.3 and a window energy rating B. With the ultra slim frames, this window system allows more natural light to flood into the room and give the best views to the outdoors. Available in any colour and a range of textured finishes.

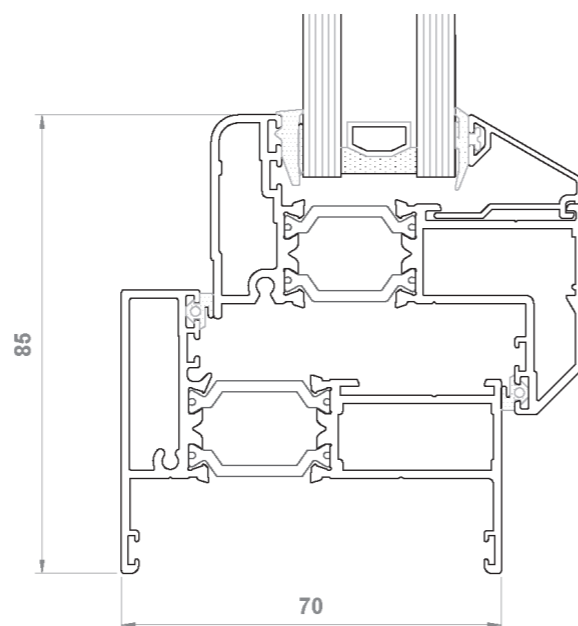
FEATURES

- Externally beaded as standard, side or top hung open out windows.
- Ovolo, Chamfered or square profiles available on request.
- U Value of 1.3 W/m²K (when using correct sealed unit)
- System can achieve a Window Energy Rating 'B'
- Features an extended polyamide thermal break to enhance thermal performance
- Black, grey, white and grey on white are all available from stock
- All other colours available on request
- Document L compliant
- PAS 24:2012 on request



DIMENSIONS

Side Hung Max Width 1000mm
Side Hung Max Height 1400mm
Top Hung Max Width 1400mm
Top Hung Max Height 1500mm
Glazing - 28mm to 38mm double or triple glazed
Frame Depth 59mm & 70mm



HANDLES

Standard



Upgrade - blu™ Angled



Upgrade - blu™ Regent



Available in 4 colour finishes

OPAL ELEGANCE

WINDOWS WITH A FLUSH SASH FINISH

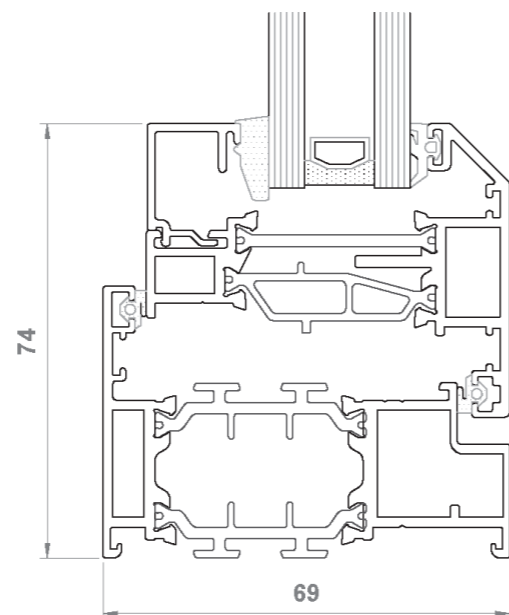
Opal Elegance have a flush sash finish and are the ultimate window for clean and modern aesthetics. The sash (the opening part of the window) sits on the same plane as the rest of the window creating a flush, in-line cutting-edge look to this high performance window system.

FEATURES

- Internally beaded, side or top hung open out windows.
- Highest thermal performance window suitable for all general use applications.
- Profiles have the option for either flat, square or chamfered edges.
- Will achieve U Values under 1.6 W/m²K when used in conjunction with correct double glazed sealed unit. 1.3 W/m²K using 0.7 centre pane, 1.5 W/m²K using 1.0 centre pane.
- System can achieve a Window Energy Rating 'A'
- Extended chamfered polyamide thermal breaks provide excellent thermal performance.
- Black, grey, white and grey on white are all available from stock
- All other colours available on request
- Document L compliant
- PAS 24:2012 on request

DIMENSIONS

Side Hung Max Width 700mm
Side Hung Max Height 1400mm
Top Hung Max Width 1400mm
Top Hung Max Height 1300mm
Glazing - 24mm
Frame Depth 70mm



HANDLES

Standard



Upgrade - blu™ Angled



Upgrade - blu™ Regent



Available in 4 colour finishes

OPAL HERITAGE

ULTRA SLIMLINE STEEL REPLACEMENT WINDOW

Opal Heritage is the ideal window system for heritage applications such as listed building renovations where planning regulations demand a like-for-like steel replacement window with optimum thermal performance. They are a traditional looking window and are often requested for cottage style properties. This system can also be used for single and double french doors to create a slimline, contemporary alternative.

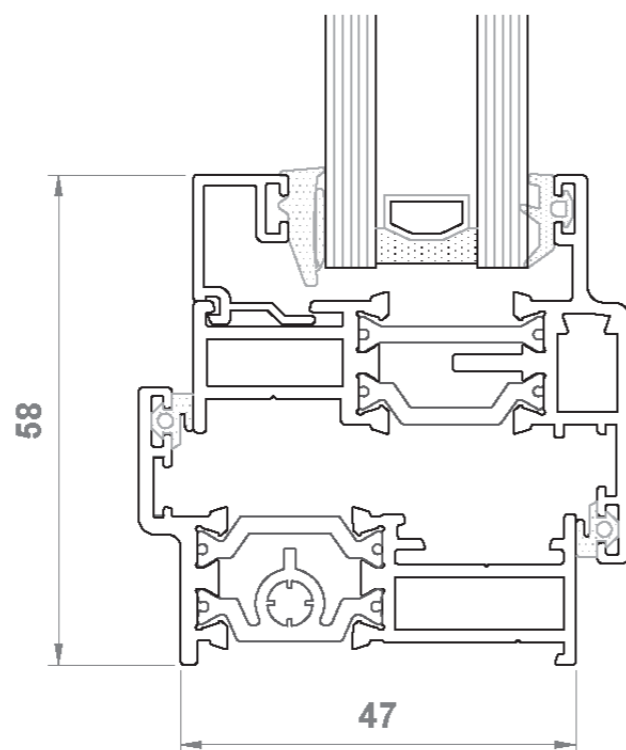
FEATURES

- Externally beaded as standard unless installed as a window/door combination or as French casements,
- Suitable for fixed window, single or double sash, side hung open out casements, top hung open out casement and tilt & turn applications.
- Designed as a direct replacement for steel windows.
- Will achieve U Value of 1.5 W/m²K (using sealed unit 1.0 W/m²K)
- System can achieve a Window Energy Rating 'B'
- Extended chamfered polyamide thermal breaks provide excellent thermal performance.
- Black, grey, white and grey on white are all available from stock
- All other colours available on request
- Document L compliant
- PAS 24:2012 on request



DIMENSIONS

Side Hung Max Width 700mm
 Side Hung Min Width 300mm
 Side Hung Max Height 1400mm
 Max. Vent Weight 40kg
 Top Hung Max Width 1400mm
 Top Hung Max Height 1300mm
 Top Hung Min Height 275mm
 Top Hung Max Weight 40kg
 Glazing - 24mm, 28mm, 32mm or 36mm
 Sightline 59mm
 Frame Depth 47mm(std) 70mm available



HANDLES

Standard



Upgrade - blu™ Angled



Upgrade - blu™ Regent



Upgrade - Monkeytail



Upgrade - blu™ Contemporary Casement Stay



Upgrade - Monkeytail Casement Stay



Please see page 38 for all hardware & upgrade options

OPAL TILT & TURN

VERSATILE, HIGH PERFORMANCE WINDOWS

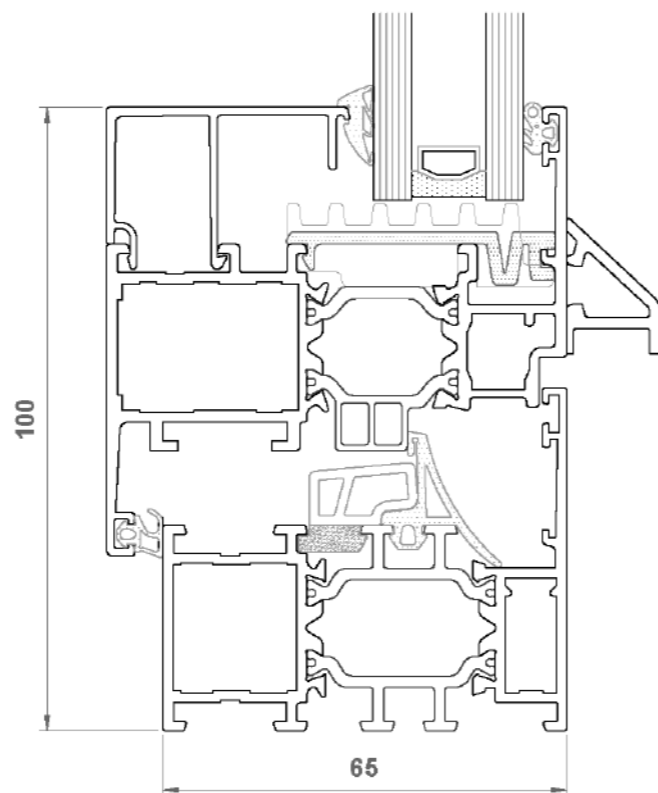
Opal Tilt & Turn windows are a versatile, elegant range of high performance windows suitable for use as tilt & turn, pivot casement, fixed and open out casement windows. They are most common for commercial applications including education, healthcare and retail buildings but are also a great alternative for residential properties too. These windows use chambered polyamide thermal break technology to create a barrier between the cold air outside and the warm air inside. This technology significantly reduces thermal transmittance and enhances the overall U Value of a product.

FEATURES

- Internally beaded as standard
- Suitable for open in tilt turn, top hung or side hung casements, pivot and fixed and open out casement windows.
- Will achieve U Value of 1.4 W/m²K when using double glazed sealed unit with centre pane 1.1 W/m²K). 1.1 W/m²K when using triple glazed sealed unit with centre pane 0.6 W/m²K.
- Polyamide thermal breaks.
- Grey, white and grey on white are all available from stock
- All other colours available on request
- Choice of concealed hinges or face mounted hinges
- Document L compliant
- PAS 24:2012 on request

DIMENSIONS

Tilt & Turn Min Width 402mm
Tilt & Turn Min Height 500mm
Tilt & Turn Max Width 1700mm
Tilt & Turn Max Height 2400mm
Tilt & Turn Max Weight 90kg
Pivot Max Weight Horizontal 180kg
Pivot Max Weight Vertical 120kg
Frame Depth 65mm
Glass O/F 4mm - 51mm, Sash 13mm - 60mm



At the extreme amount of sizes and weights, some limitations may apply - please speak to our technical team for more information or assistance.



HANDLES

Standard



Upgrade - blu™ Tilt & Turn



OPAL DOORS

BI-FOLDS | SLIDING | PATIO | RESIDENTIAL

As homeowners look to extend and refurbish their homes, many are choosing to add bi-folding or sliding doors to let in the maximum amount of light, retain heat and keep noise out. Our range of aluminium doors create vast openings in an instant, bringing alfresco living to life at the turn (or pull) of a handle. Due to the natural strength of aluminium, our aluminium doors can be made much slimmer than PVC which results in larger glass areas.

We also offer aluminium residential doors which not only enhance the appearance of any home but that also bring further security, energy efficiency and style to the property. Our aluminium residential doors are virtually indestructible whilst still maintaining slim sight lines for a sleek, modern look.

All our aluminium doors are supplied with high security locks as standard with additional security upgrades available for those that are particularly security conscious. They are all available in any RAL colour and in a number of textures and finishes.



OPAL DEFINITIVE

THE IDEAL ALTERNATIVE TO PATIO DOORS

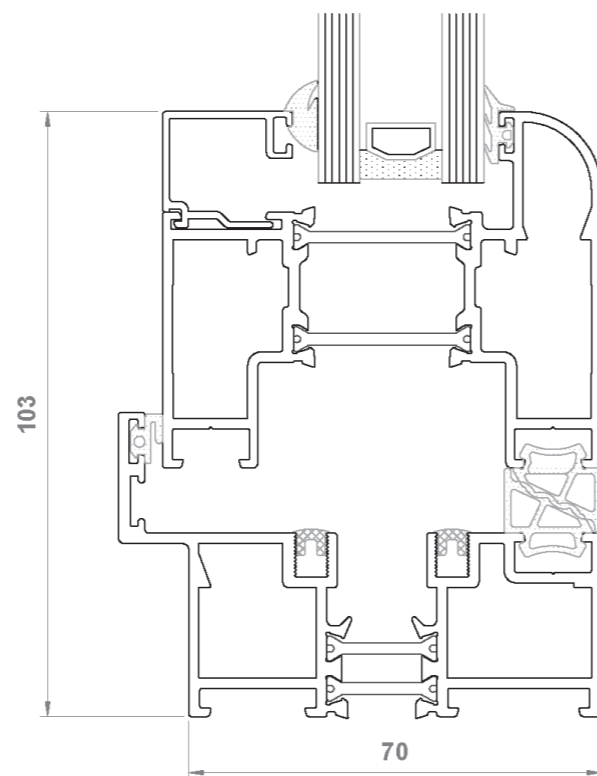
Opal Definitive smooth sliding bi-folding doors are an ideal alternative to patio doors and suitable for both domestic and commercial applications. They allow homeowners to open up their home to the outdoors and make the most of their room with a view. Used commercially, they can create a glazed screen that allows in the maximum ingress of light in inclement weather, and will also easily glide to open up an entire wall in warmer weather. With smooth sliding operation, these bi-folds slide effortlessly due to bottom fitted dual rollers running on a dual track. Opal Definitive offers a choice of opening configurations to suit any application. Choose to fold the sashes internally or externally, place the opening at the side so the sashes all fold one way, at one end, to create a single entrance door for easy access, or in the middle to give the option of a double door.

FEATURES

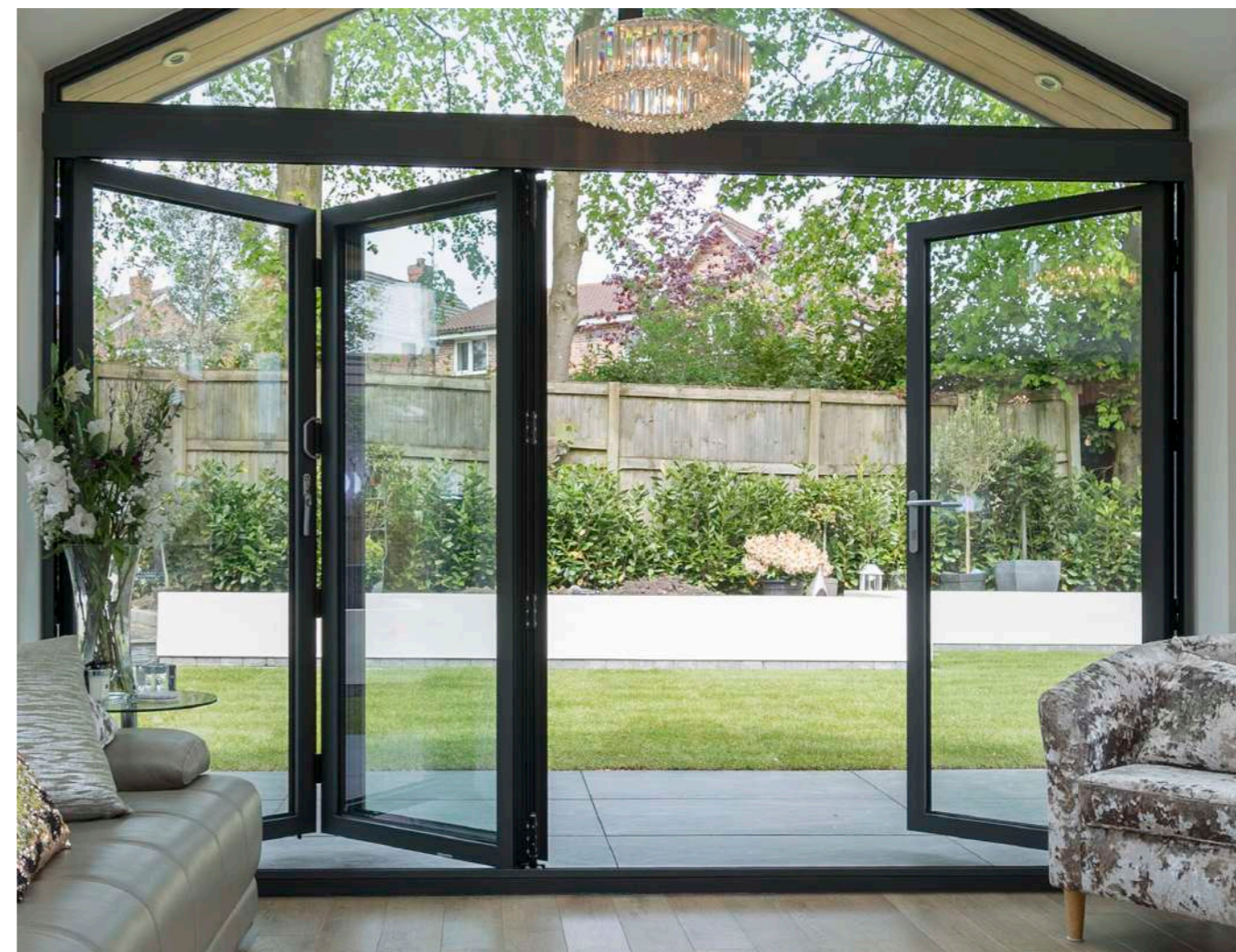
- Attractive, 132mm slim-line profiles offer reduced sightlines
- Thermally broken system
- Square or round profiles
- U Value of 1.5 W/m²K (when using 1.0 centre pane)
- Fabricated using mitred corners
- Steel rollers as standard
- Lock mechanism available with domestic style 'lift up' handle and an adjustable, one-piece keep
- Black, grey, white and grey on white are all available from stock
- All other colours available on request
- Document L compliant
- PAS 24:2012 on request

DIMENSIONS

Max Overall Height 2500mm (per sash)
 Max Overall Width 1200mm (per sash)
 Max Sash Weight 100kg
 Frame Width 102.5mm
 Frame Depth 70mm
 Typical Sightline 132mm
 Glass: 24, 28, 32, 34 or 36mm double or triple glazed units



Square profile also available



HARDWARE



Magnets are also available and must be requested on order

OPAL DELUXE

ULTRASLIM, DELUXE BI-FOLDING DOORS

Opal Deluxe bi-folding doors have much slimmer, narrower sightlines and frames (94mm compared to Opal Definitive which has 132mm sightlines) therefore maximising light and space to give unimpeded views. This highly-versatile, easy-to-operate sliding/folding door is the perfect option for even the largest project, capable of opening up an entire wall, yet presenting a stylish glazed façade when closed. Featuring unique, simple-to-operate door hardware, the door panels may be operated to open separately internally or externally providing great flexibility. With high-security glazing, robust locking mechanisms, an unrivalled colour range and the option of colour-matched accessories, the system can be tailored to meet each project's specific requirements.

FEATURES

- Attractive, 94mm slim-line profiles makes them the slimmest bi-folds on the market
- Extra wide polyamide thermal break for maximum thermal performance
- Square, round or heritage sash options available
- These doors come with Ultion 3* superior lock upgrades as standard
- U Value of 1.5 W/m²K (when using 1.0 centre pane)
- Wheels are sunk down within the frame for a clean & tidy finish
- High quality stainless steel rollers on stainless steel track for smooth glide openings.
- Black, grey, white and grey on white are all available from stock
- All other colours available on request
- Low threshold not available
- Document L compliant



HARDWARE

Standard



Upgrade - blu™ Ergonomic Lever



D Hinge Handle



Shootbolt - Standard



Shootbolt - blu™ Upgrade

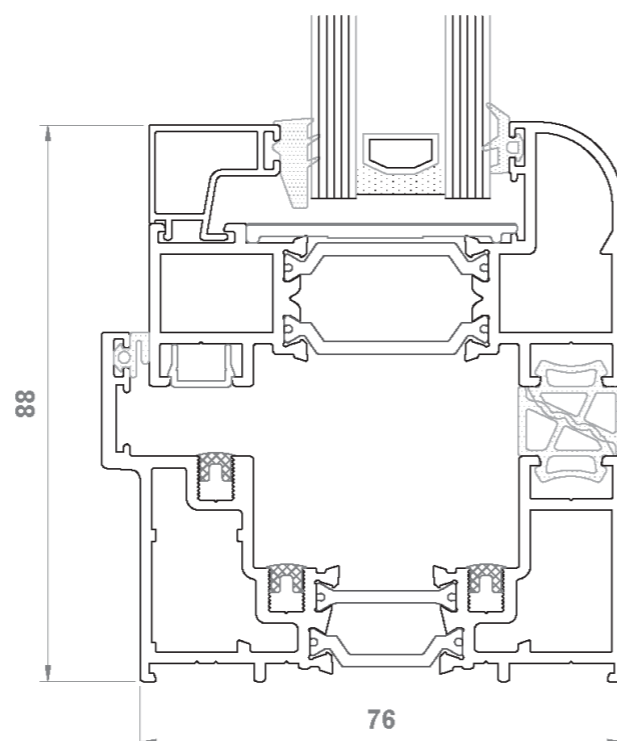


Lock - 3* Ultion



DIMENSIONS

Max Sash Width 1000mm
 Max Sash Height 2200mm
 Max Sash Weight 100kg
 Frame Width 88mm
 Frame Depth 76 or 82mm
 Typical Sightlines 94mm
 Glass - 24, 28, 32 or 40mm double or triple glazed units



OPAL FINESSE

SMOOTH-SLIDE GLIDING DOORS

Opal Finesse sliding doors are suitable for use as either sliding commercial entrances where large opening apertures are required, or as dynamic residential sliding doors that maximise light and give stunning unimpeded views. Opal Finesse profiles have been designed to improve both strength and weather resistance. Sliding doors are ideal if homeowners don't have enough space in a room for a swing door or bi-folding door. Excelling in performance and design, these aluminium doors feature beautiful slim sightlines and an elegant framework to enhance any home with style. They open and close with ease, are lightweight, low maintenance and remain smooth and secure whatever the weather allowing you to sit back, relax and enjoy the view. There is also the option to upgrade to 'soft close' meaning they close smoothly and quietly, without even noticing their presence. They are also much safer too as the soft close feature stops them slamming together.

FEATURES

- No maximum width
- Extra wide polyamide thermal break for maximum thermal performance
- U Value of 1.6 W/m²K (when using 1.0 centre pane)
- Multipoint locking system
- Wheels are sunk down within the frame for a clean & tidy finish
- Stainless steel rollers used as standard
- Lift & slide and soft close options available as an upgrade
- Grey, white and grey on white are all available from stock
- All other colours available on request
- Option for 35mm slim interlock
- PAS 24:2012 on request. (Not on lift & slide & hardware)
- Document L compliant



HARDWARE

Standard - Lever Handle



Standard - D Handle



Upgrade - blu™ Ergonomic Lever



Upgrade - blu™ Straight Slide



Upgrade - blu™ Lift & Slide

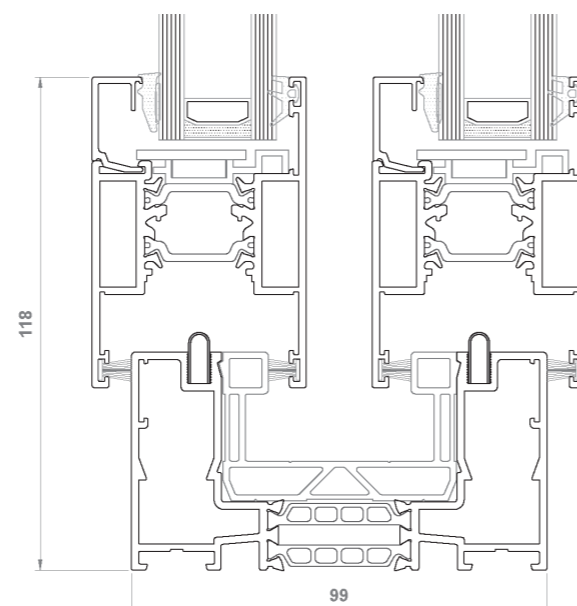


Lock Upgrade - 3* Ultion



DIMENSIONS

Max Sash Weight 250kg, 300kg (lift & slide)
 Max Sash Height 2400mm
 Max Sash Width - no maximum
 Frame Width 52mm
 Frame Depth 99mm to 184.5mm
 Glass - up to 38mm double or triple glazed units



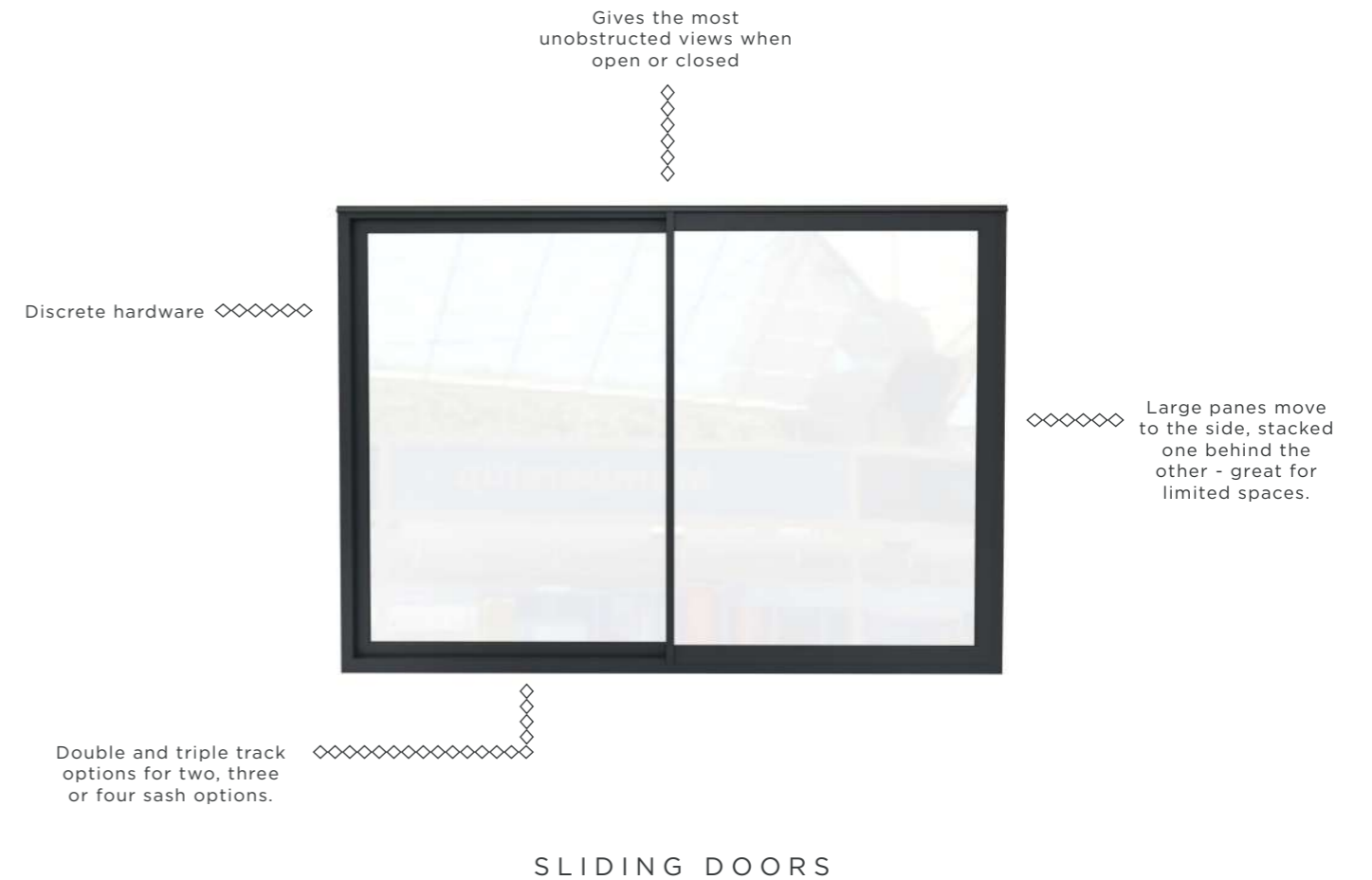
FOLD OR SLIDE?

Many homeowners decide they want to open up their living space to the outdoors but with the option of folding or sliding, how do you they decide which system is best? Below we highlight the main points of both systems to help make that decision a little easier.



CONSIDER IF...

- They will be used as an access door too. You can quickly nip in and out of bi-folds for everyday use (if an access door is possible with your configuration.)
- If you want to be able to fully open the doors to give the seamless transition from inside to outside.
- There is a step down to the outside as folding doors have the choice of flush or weathered tracks.



CONSIDER IF...

- It's important to have a higher glass to frame ratio. You can fit more glass in a sliding door than you can bi-folds.
- If there are strict thermal value requirements.
- There is more space - bi-folds need space to be folded when open.

OPAL ORNATE

ROBUST PERFORMANCE DOMESTIC ENTRANCE DOOR

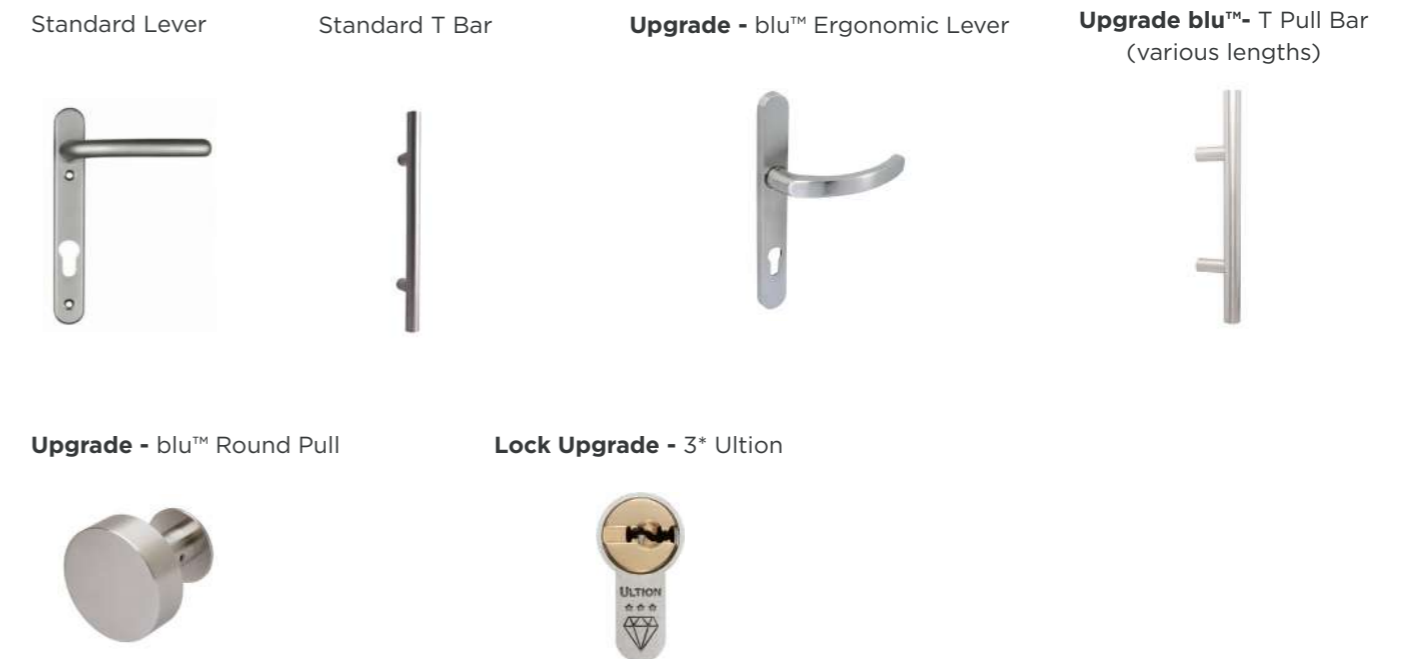
Opal Ornate is a range of high performance residential single and double doors that offer homeowners the assurance and peace of mind of a PAS24 security tested door. Fabricator & Fitter friendly, the door is designed to be easier to manufacture and install with new adjustable hinges, lock keeps and additional sash passing clearance allow for greater on-site fitting tolerances. These doors will impress your guests and keep our unwelcome intruders. Opal Ornate is designed for use as open out or open in, single or double doors, internally or externally beaded with side-light and low threshold options. Elegant, yet strong and durable Opal Ornate doors enhance the beauty of the home, keep in the warmth and let in more light because of the slim sightlines.

FEATURES

- With adjustable hinges, lock keeps and also incorporating additional sash passing clearance which allows for useful on-site fitting tolerances
- Includes an option of multi-point locking with additional top & bottom shoot-bolts.
- Available with solid panel (as shown) or glass panels.
- Option to upgrade handles and locks.
- Double doors feature dual lock mechanisms.
- Internally beaded for open in and open out doors.
- Grey, white and grey on white are all available from stock
- All other colours available on request
- PAS: 24:2012 - as requested.

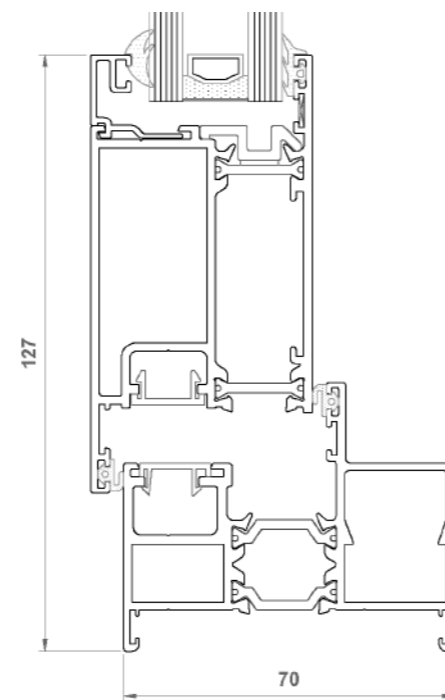


HARDWARE



DIMENSIONS

- Single Door Max Width 1000mm (sash)
- Single Door Max Height 2500mm (sash)
- Dbl Door Max Width 1000mm (per sash)
- Dbl Door Max Height 2500mm (per sash)
- Typical sight-line 127mm.
- Single Door Max Weight 100kg
- Dbl Door Max Weight 100kg (per sash)



Open in

OPAL OPULENCE

OUR DESIGNER ENTRANCE DOOR

Opal Opulence is our most prestigious door which offers a wide range of designs, colours and styles to choose from. Whichever door you choose for the property, you can be sure of its outstanding performance, with high-quality locking mechanisms and precision construction combining to give unbeatable strength and security. The choice of glazing and door furniture will have a major impact on the overall appearance of the door and with a wide range of hardware options to choose from, you can be sure to find the right one for you. You can choose a single or double door configuration to make sure the design is just right and our extensive range of colours guarantees the perfect finishing touch. Every door is manufactured by our specialist fabrication team, so whatever the weather, you can be certain that the door has been engineered to last.

FEATURES

- 3 adjustable hinges and resistant to 80kg of pressure.
- 66mm triple glazed and laminated glass units.
- An integrated, enclosed glazing panel prevents the need for glazing beads which provides maximum protection from ramming and forced entry.
- All profiles include a polyamide thermal barrier that enhances thermal performance.
- Thermally efficient - with a 'U' value from 0.9 W/m²K to 1.1W/m²K, dependant on the glass specified.
- Double-rebated EPDM centre gaskets provide maximum weather resistance
- 10 point locking mechanism is fitted as standard on our Opulence doors for ultimate security.
- Integrated weather bar for additional protection against the wind and rain.



Modern



Falmouth

Traditional



Regency

Cottage



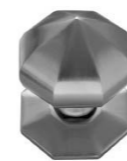
Somerton

Vintage



Elberry

HARDWARE



Octagon 72mm



Octagon 102mm



Ball Pull 75mm



Round Pull 76mm



Round Pull 82mm



Square Knob 65mm



Lever Lever



Pull Handle



Adam



Ring



London



Plain

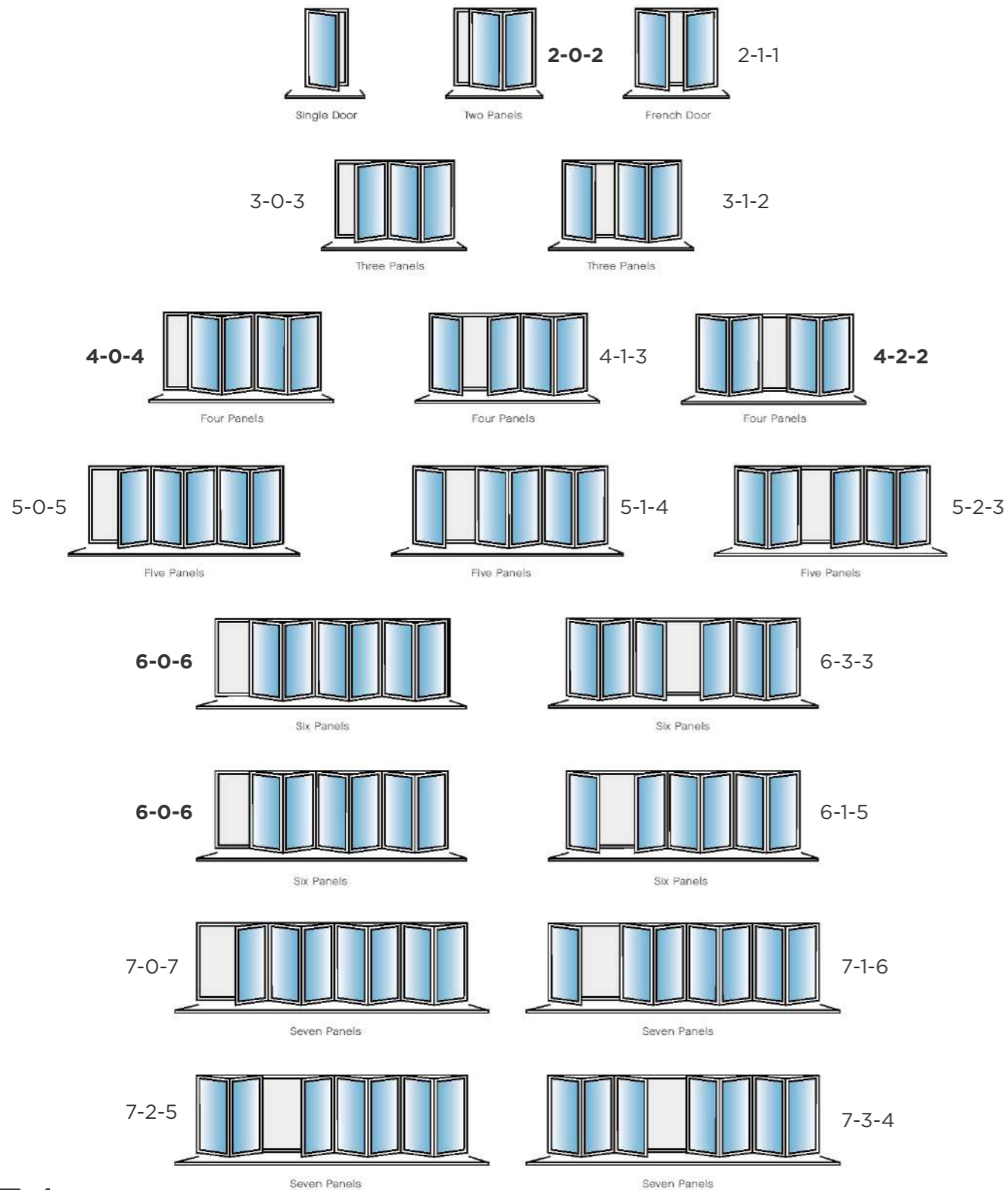


Doctors

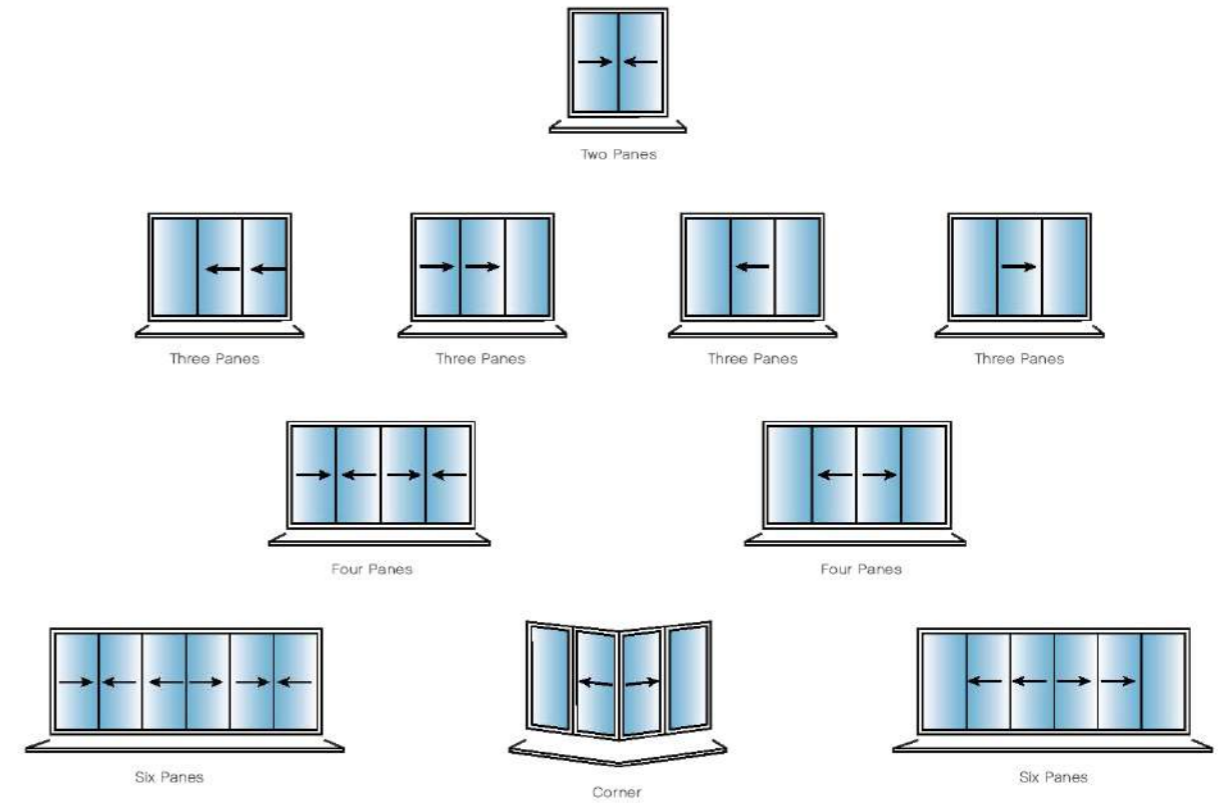
DESIGN OPTIONS

Bi-folding doors feature multiple door leaves which concertina to one or both sides of the frames.

Bi-folding doors are available with a Master Door which can be used as an access door alone without having to fold back all the other doors. ***please note the configurations in bold have no option for an external access or traffic door.**



Sliding doors open and close in line with the large panes stacked one behind the other.



This is just an example of designs, please speak to us about further design options.

GLASS & DESIGN OPTIONS

Losing heat through your windows or doors can be an annoyance for homeowners that want to ensure their home is efficiently heated. The most effective way to keep your home both warm and energy efficient is through having your windows and doors glazed with high performance glass units.

Double Glazing

Double-glazed windows consist of two panes of glass separated by a layer of air or gas. On average, a semi-detached house can reduce 18% of yearly energy usage simply by investing in double glazed windows. Double glazed windows also assist with sound proofing, resistance against condensation and security.

Triple Glazing

Triple glazing consist of three panes of glass instead of the traditional one or two when the window is double glazed. By inserting this extra layer of glass, the homeowner can be assured that they are benefiting from the pinnacle of energy efficiency and heat insulation. Triple glazing can help window systems achieve a WER of A in many instances. However, there is the obvious trade off with reduced maximum window & door sizes being smaller to those of a double glazed unit.

With many different glass options to choose from it's important, depending on location of the room, that you choose the right glazing for your side frames and doors. Below, we explain what features are available but please speak to your installer to discuss your requirements so they can advise you.



U Value - measures heat loss through the unit. The lower the U value, the warmer in winter the room will be.



UV Reduction - blocks out 98% of the harmful UV rays that cause fading of soft furnishings.



Light transmission - the percentage of light able to pass through the unit. The lower the light transmission, the lower the glare.



Enhanced Security - laminated glass has an additional security interlayer within the glass holds fragments together in case of impact.



Warm Edge Technology - The use of a spacer bar that's 950 times less conductive than aluminium. Increasing temperature and reducing condensation.



Sound Reduction - For a quieter living space, this option reduces audible sound by up to 40% more than standard glass.

Choosing aluminium windows allows for a number of exciting design options to transform your home.

Astragal Bars

Designed to replicate traditional timber windows, Astragal bars are planted on to the window glazing internally and externally giving the window an authentic cottage/traditional look.

Decorative Glass

The glazing in your project can become a design feature itself and you can still upgrade your windows without losing any character your property may have. Adding decoration to the surface of the glass can create an eye catching impressive piece of art yet still remain thermally efficient.



HARDWARE & UPGRADES

All our windows and doors come with our standard choice of handles and hardware which are fully compliant and of high quality providing excellent security. However, we also offer upgrades and enhanced security locks should your customer want that something a little different or high-end. Our handle upgrades are from the **blu™ performance range** which are designed and manufactured to the highest standards of 316 Marine Grade satin stainless steel to withstand the most challenging environments – particularly coastal locations where corrosion is a major issue. The blu™ range of handles, hinges, casements and stays come with a lifetime guarantee*. We also offer enhanced security upgrades from Ultion; see page 46 for more information.

Standard - Winlock Window Handle.

This handle is ergonomically designed to include a solid and sculptured grip with offset locking, key to lock and push to release.



Upgrade - blu™ Angled Handle

A slimline, contemporary design. Features the added benefit of offset stem technology to avoid the handle stub clashing on the frame. Non-handed design.



Available in Satin Stainless Steel only.

*If maintained inline with manufacturer recommendations and cleaned as instructed

Upgrade - blu™ Regent Handle

A classic, traditional style window handle ideal for cottage or rural properties. It has an ergonomic shape and is both left and right handed versions are available. Available in 4 colour finishes.



Upgrade - Monkeytail Handle

The monkeytail espagnolette fastener offers a traditional looking product with the benefits of a modern and secure configuration. Only available on the Opal Heritage system. **It's also important to note that no two monkeytail handles are the same as they are each made bespoke by hand.**



Pewter

Black

Upgrade - Casement Stay

A contemporary design casement stay with sleek styling which will suit both modern and classic themed homes. A Monkeytail casement stay is also available for Opal Heritage in either black or pewter.



blu™ Satin Stainless Steel



Monkeytail - Pewter



Monkeytail - Black

DOORS - BIFOLDING

Standard - Lever Lock Handle

Fitted to the main access door, an aesthetically pleasing and durable locking door handle ergonomically designed and engineered.



White



Satin Chrome



Polished Chrome



Black

Upgrade - blu™ Ergonomic Lever Lock Handle

Finest quality lever door handles on backplates, designed to create a contemporary finish. Unique ergonomic design of handle for ease of grip and enhanced comfort.



Available in Satin Stainless Steel only.

Standard - 'D' Pull Handle

This handle is part of the hinge and it used mechanically for opening and closing the leaves. As the hinges are black, black handles are usually specified to match the gaskets but it is also available in polished chrome or white.



Black or white



Polished Chrome

Standard - Shootbolt Lock Handle

A simple twist of these handles locates the shootbolts into position within the top & bottom track securing the door into position.



Locking



Non-locking

Available in black, white or polished chrome.

Upgrade - blu™ Bifold handle

A slimline pull-out lever to operate the shootbolts on your bi-fold. This handles are designed to meet the rigorous applications of even the largest door leaves. This is non-locking & therefore not PAS 24.



Available in Stainless Steel only

DOORS - SLIDING

Lever Lever Handle or Pull Handle

The Standard handles are ergonomically designed to include a solid and sculptured grip and are Secured By Design tested and approved. Available in black, white or satin chrome.



Upgrade - blu™ Straight Slide Patio Door Handle

The handle is a contemporary, modern looking door handle which is non-handed as standard and available in Marine Grade Stainless Steel as standard.



Upgrade - blu™ Lift & Slide Handle

This handle looks great and performs brilliantly. It features a contemporary design with a clip-on plate to conceal the fixings. This handle is only available on Opal Finesse when lift & slide is chosen.



DOORS - RESIDENTIAL

Standard - Lever Lever Handle

This modern, slimline handle is ergonomically designed to include a solid and sculptured grip. Ideal for traffic doors.



White

Satin Chrome

Polished Chrome

Black

Standard - T Bar Handle



Standard - Door knockers

Create a great first impression and add to the kerb appeal of any property with our choice of two standard door knockers with or without spy hole.



Doctor Door Knocker

Urn Door Knocker

DOORS - RESIDENTIAL - UPGRADES

Upgrade - blu™ Ergonomic Lever Lever Handle

Finest quality lever door handles on backplates, designed to create a contemporary finish. Unique ergonomic design of handle for ease of grip and enhanced comfort.



Available in Satin Stainless Steel only.

Upgrade - blu™ Regent Lever Lever

Classic, traditional style, ergonomically shaped multilock door handle. Mounted on a backplate with 92mm euro profile lock centres.



Upgrade - blu™ T Bar Pull Handle

A 32 diameter modern T-bar ("Guardsmen") pull handle, manufactured from 316 Marine Grade Satin Stainless Steel which is suitable for extreme external environment.



Lengths - 600mm, 900mm, 1200mm, 1500mm & 1800mm.
Available in satin stainless steel only.

Upgrade - blu™ Door Pulls

A round contemporary door pull, made from marine grade satin stainless steel, featuring both bolt through and back to back fixing methods.



Upgrade - blu™ Door Knocker



EXTRAS

We also offer additional blu™ door furniture including numerals and letterboxes which can be specified on request.

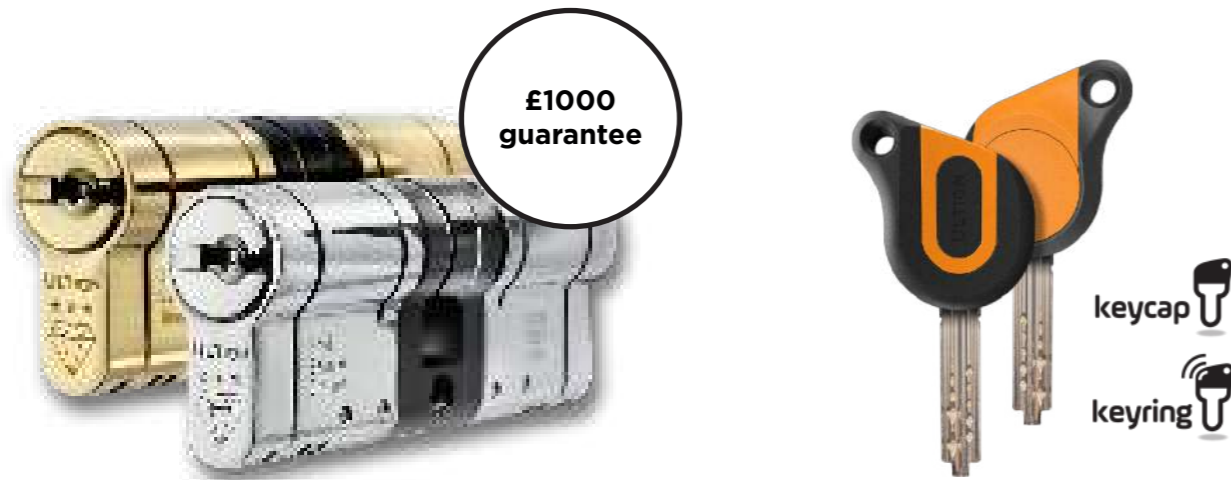


SECURITY & LOCK UPGRADES

The standard locking mechanisms & hardware used by us are already fully compliant and of a high quality providing excellent security. However, here is the option to enhance security should you choose to do so by upgrading to a Ultion Lock (these come as standard on our Opal Deluxe Bi-folds) The moment that Ultion detects forced entry it activates an attack lock directly into the central cam, this is 'Lock Down Mode'. Even if the most determined intruder gets past Ultion's two sacrificial sections they won't get to the attack lock because it is protected deep inside a solid molybdenum core and secured with a dedicated retaining pin. Ultion has passed all major British standards test for security. It meets the highest TS007 standard (3 star) without needing to be bolstered with support of cylinder protectors or extra secure door handles. Sold Secure Diamond is a test developed in conjunction with The Master Locksmith Association. Test's designed by locksmiths.

All our door systems are available with a Ultion Lock upgrade (fitted as standard on Opal Deluxe) providing enhanced security and ultimate peace of mind. If you upgrade to this lock, we will fit the lock in your handle of choice saving you the hassle.

The Ultion also comes with a £1000 Snap Guarantee. Should a burglary take place within 10 years from the point of installation and entry was achieved by snapping an Ultion lock, they will pay the homeowner £1000. To activate the guarantee, they will need to complete registration within 28 days of the doors being installed.



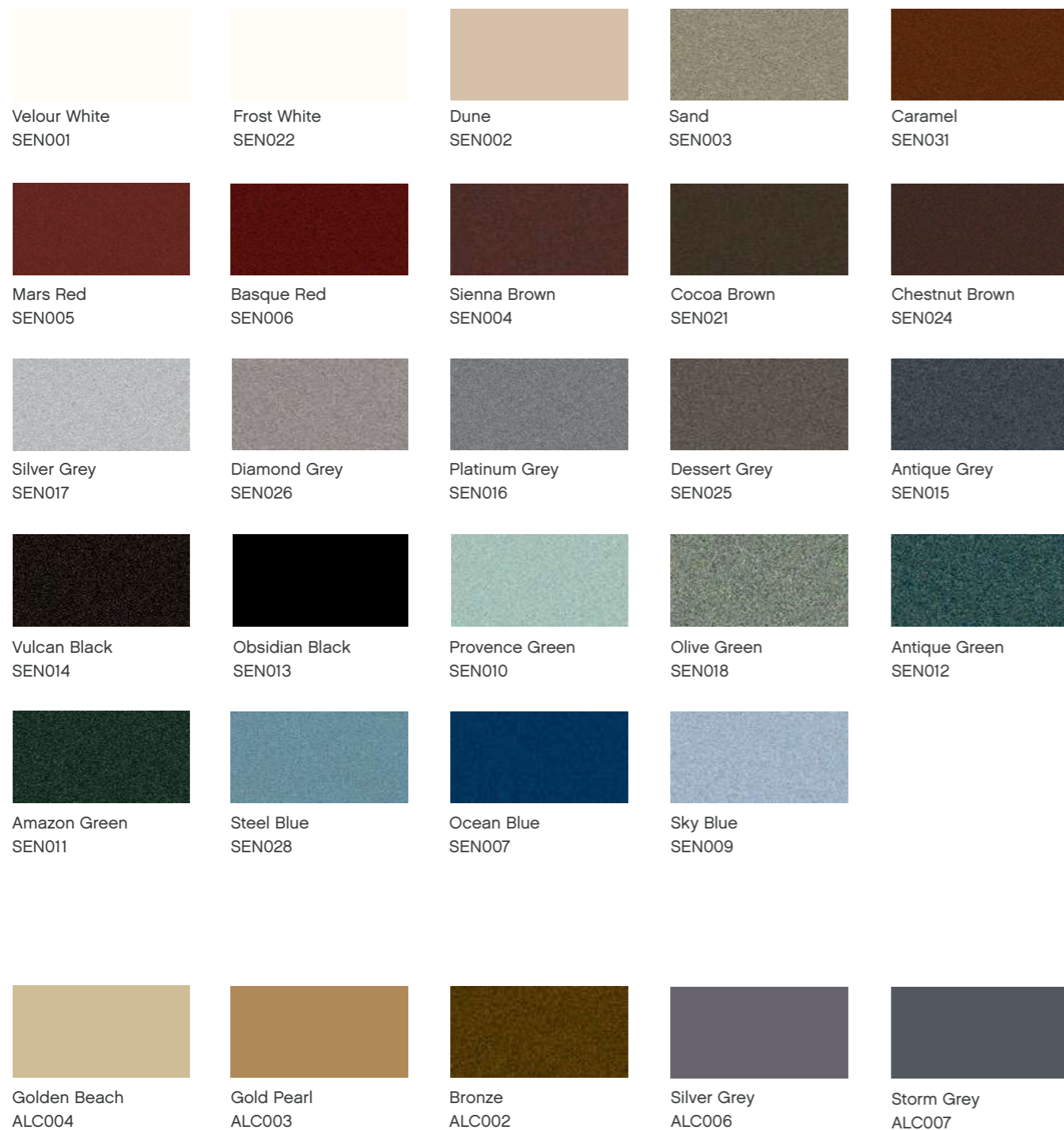
Colour code your keys with the keycaps, connect it to keyring to help you find your keys when they are misplaced or choose keyed-alike, reducing the number of keys you have by having one key to many locks.



COLOUR

SENSATIONS

An exclusive range of metallic finishes that combine with a unique tactile finish, bringing style and durability to any building project



COTSWOLD

The classic shades and warm tones in our new Cotswold range have been developed to provide the perfect finish for both new-build and heritage properties alike.



NATURALS

These beautiful colour-rich coatings, in a variety of versatile shades, the ever popular 'Naturals' range offers style and protection for all your Opal windows and doors.



CLEANING & MAINTENANCE

Aluminium is a robust material with a long life but like with anything, aluminium windows and doors, just like any other product you can buy, require some care and attention in order to guarantee a long, healthy lifespan.

In areas within the direct influence zones of salt water, industrial chemical plants, blast furnaces or other aggressive emission sources, the window should be cleaned at least every three months. In a relatively cleaner environment every six months should be sufficient.

At the installation stage

- Grease marks, dirt and mastic spillage may be removed using white spirit or an approved solvent which will not soften the paint film or adversely affect its weathering properties.
- Self adhesive tapes and clear lacquers must not be applied as irreparable damage, under certain conditions, can occur to the organic coating.
- It is recommended that all cut bar ends, mitres and butt joints, drainage slots and drill holes should be coated with an air drying paint system including a primer/corrosion inhibitor and a top coat and/or suitable gap sealant to provide protection against the initiation of corrosion sites where the aluminium is exposed. This protection is particularly important if the units are to be fitted in coastal or other aggressive environments.
- Fabricators and installers should take maximum care during assembly, transit and fitting not to damage the paint coating. Note: Beware swarf on benches, end damage of assembled frames in transit or on site and the careless use of sharp ended screwdrivers or other tools for forcing 'snap-fit' beads into position!

After installation cleaning

Keeping aluminium frames clean is a really simple procedure. Simply, wash down with clean warm water containing a non-alkaline liquid detergent (in a concentration which can be handled safely with bare hands) using a non-abrasive cloth, sponge or soft bristle brush. This will remove grime, grease and any excess chalking. All ridges, grooves, joints and drainage channels where salt or other deposits can collect should be well washed out, thus preventing corrosion sites from occurring! Rinse thoroughly with clean water and then dry using a soft cloth or leather. Avoid products that contain Chlorine, Esters, Hydrocarbons or Ketones.

Please note this is only a brief guide on how to clean aluminium frames.

Maintaining bifolding and sliding Doors

Bi-folding or sliding aluminium doors require a bit of extra maintenance on top of traditional door frames. That's because they use tracks and rollers to open and close, and those tracks need to be kept clear and clean to ensure full functionality. Take the time when using them to check for and remove any obstacles, such as stones or other debris, which may be blocking the track. Hoovering the track approx once per month should help to prevent any short or long term damage. You can further boost their longevity by lubricating the track every once in a while using a silicone spray or similar.

Tip: do not in any circumstances try to force a unit that isn't operating properly into performing. If you're having some difficulty with the moving parts or are experiencing any problems with the doors performing as they should, please contact us.

Hardware

blu™ hardware upgrades do come with a lifetime guarantee but they must all be cleaned periodically with the blu™ cleaning solution which is provided with your order. The cleaning solution which is a special deep cleaner, protects all your Marine Grade 316 stainless steel products and removes 'tea staining' effects from stainless steel. It is 100% organic with a pH value of 3 consisting of organic acids and surface-active agents. It is free from abrasive particles and not a pickling agent, so it does not attack the metals - it is therefore non-aggressive for metals, but very effective on oxides and dirt. For optimum performance, blu™ hardware should be cleaned after fitting and at least every 6 months once in use, or bi-monthly if located in a highly corrosive environment such as on or near the coast. A cleaning kit is sent with every blu™ order but can be purchased going forward from blu™ website.

Guarantees

All our aluminium profiles and standard hardware are guaranteed for 12 months with the powder coating guaranteed for 25 years. All blu™ hardware has a lifetime guarantee **if maintained and cleaned as instructed.**

To see a copy of all guarantee certificates or terms of each guarantee, please speak to your installer who can provide these.



OPAL

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