windows & doors

Contemporary aluminium windows, glazed doors and front doors
IDSystems aluminium windows and doors
Our contemporary aluminium windows and doors can be designed and manufactured to meet almost any requirement, from casement style windows through to gable end glazing and stylish, frameless glass-to-glass corner windows.

Whatever type of project you are considering, finding the right combination of positions, proportions and designs of windows for your home is key to the aesthetic appeal of your home and for maximising natural light and providing adequate ventilation.

Our team of window experts will work closely with you to identify the most suitable products from our range to create the window styles that best suit your requirements.
Window Styles

Our windows are available in a wide range of styles, designs and configurations including openings, fixed frames, sashes and dummy sashes to your exact requirements.

Casement
Our casement windows can be designed in an almost infinite range and combination of openings, fixed frames and vents. From standard designs to more detailed requirements, including floating mullions and dummy sashes, every window is custom made to suit your home.

Top hung
Available either as a single, top hung sash within an opening or combined with a fixed frame or dummy sash for larger openings, our top hung windows feature concealed hinges within the side of the frame. When the window is opened the top of the sash is pulled downwards away from the frame and the base of the sash pushes outwards.

The windows are available with two hinge options, standard or restricted. The restricted hinges are ideal for ground floor ventilation and for providing protection against falling at higher levels. The restrictor button is integral to the hinge and automatically resets after the window is closed from the fully open position. With both hinges the degree to which the sash opens is controlled by friction stays on the hinge which prevent the window from being blown open.

Side hung
Designed with concealed hinges in the top and bottom of the frame, our side hung windows are a classic design and one of our most popular window styles. The window pivots outwards from the side when opened and can be utilised as a single opening window or as part of a larger configuration.

Our side hung windows are available with three hinge options: standard, restricted or egress. The standard hinge slides the sash towards the centre of the frame when opening which enables the outer surface of the window to be cleared from the inside. The restricted hinge prevents the sash from being completely opened making it ideal for security and safety, particularly for young children’s bedrooms. The egress hinge is utilised where a fire escape is needed, keeping the hinged side of the sash close to the outer frame and opening the window to 90 degrees, allowing access through the window, if ever required. The egress hinge can also be utilised in easy clean mode, giving access to the outside surface of the glass to enable it to be kept clean – ideal for properties more than two stories high.

Tilt & Turn
A contemporary addition to our window range, inward opening tilt and turn windows offer the flexibility of being able to tilt the window open for part ventilation or completely open the window up to make the most of nice weather or to clean – making them perfect for non-ground floor use and locations with difficult access.

Tilt & turn windows can be manufactured in larger sizes than top or side hung windows making them popular for full height glazing and for parts of the house that need additional ventilation. For security, the handle can be restricted to allow the sash to be tilted, but not fully opened without being unlocked with a key.
KEY FEATURES

• **A wide range of colours**
  Available as standard in RAL 7015 Slate Grey matt, RAL 7016 Anthracite Grey semi-gloss and RAL 9011 Graphite Black matt, or choose from more than 200 RAL colours. You can even have the inside of your windows painted white and the outside in a different colour to match the finishes and décor of your home.

• **Advanced security**
  Integrated hinge mechanisms mean there are no external hinges that could be attacked on the outside.

• **Multipoint locking**
  All our windows utilise a multipoint locking mechanism and internal key locking handles to provide the highest level of security as standard.

• **PAS 23/24**
  Our windows can meet and exceed the security requirements of Part Q of Building Regulations.

• **Trickle vents**
  We can incorporate trickle vents into the design of your windows, providing background ventilation required under Building Regulations.

• **Restrictors and hinges**
  Our casement windows can be fitted with restrictors to prevent them from fully opening, ideal if you have children in the house.

• **Egress hinges available**
  Our windows can be fitted with egress hinges to meet the requirements of Part B of Building Regulations for fire safety.

• **Polyamide thermal break technology**
  Our windows are designed with a polyamide thermal break that reduces cold bridging and condensation.

• **Wide range of glazing options**
  Choose from double or triple glazed units with a range of glass specifications including solar control glass to meet your exact requirements and compliment other glazing in your home.

• **Secured night vent position**
  Our casement windows have two stage locks enabling the windows to be secured in a night vent position.

• **A range of furniture**
  Our handles are available powder coated to match the colour of the frame or satin chrome finish.

• **Consistent design**
  All of our windows are designed to work with our other glazing products including bi-fold and sliding doors, ensuring you achieve a consistent design across your project.
Your windows, exactly how you want them...

Window range

IDS300 Slim
A stylish slim framed window system that provides the ultimate in contemporary design whilst maximising glass panel size.

Suitable for: New and prepared openings
Configurations: Casement (including top hung or side hung) and fixed frames
Profile shape: Outer - square edge, inner - rounded edge
U-value: From 1.5W/m²K when double glazed
Window energy rating: Achieves A++ rating
Weather rating: Independently tested to 1200Pa (Class E) of water tightness and 600Pa (Class 4) of air permeability.

IDS300
Our most popular window system, the highly engineered IDS300 provides a modern, square edge profile.

Suitable for: New and prepared openings or replacement windows
Configurations: Casement (including top hung or side hung) and fixed frames
Profile shape: Outer - square edge, inner - square edge
U-value: From 1.5W/m²K when double glazed
Window energy rating: Achieves B rating
Weather rating: Independently tested to 1200Pa (Class E) of water tightness and 600Pa (Class 4) of air permeability.

IDS65
The incredibly versatile IDS65 is ideal for projects that require enhanced thermal performance, including larger openings.

Suitable for: New and prepared openings or replacement windows
Configurations: Casement (including top hung or side hung), Tilt & Turn, Fixed Frames, Glass-to-Glass corners, Gable End Glazing and Angled Frames
Profile shape: Outer - square edge, inner - square edge
U-value: from 1.1W/m²K when triple glazed
Window energy rating: Achieves A rating
Weather rating: Independently tested to 900Pa (Class E) of water tightness and 600Pa (Class 4) of air permeability.

For information about our window handle and hardware options please see page 12.
Window technical specifications

IDS300 Slim
- Transom
- Mullion

IDS300
- Side hung sash
- Side jamb
- Dummy sash

IDS65 (Casement)
- Outer frame
- Top hung sash

IDS65 (Tilt & Turn)
- Fixed frame
- Tilt & turn sash
Beyond the casement window...

The highly engineered nature of our window systems means the choices available to you are almost unlimited

Each style and design can be configured to meet your exact requirements whether you are adding an extension, completing a renovation or building the grandest of grand designs.

**Fixed Frames**

Our fixed frame windows are ideal for creating large seamless sections of glazing. Usually installed as large panes of glass, the fixed frames can either be single panes of glass, joined together to make glass walls or integrated with one of our other systems such as sliding doors or bi-fold doors. They are also perfect for large square or rectangular picture windows that are ideal for framing a view from the house out into the garden or beyond.

**Gable End Glazing**

Mostly utilised to complete a pitched roof extension, our gable end glazing, made up of angled units, is perfectly suited to sit above windows, sliding or bi-fold doors. Wherever possible we will always try and match any frames of the gable end glazing to the sightlines of the doors or windows below to provide a clean look to your design.

**Glass-to-Glass Corners and Inline joints**

One of the fastest growing trends in the glazing industry, frameless glass-to-glass corners and inline joints offer the ultimate in contemporary appearance whilst maximising the amount of light that enters the room. The glass-to-glass corner and inline joints can be configured alongside a window opening or a door system to create a focal point for your project.
Clerestory Windows
Installed above head height and just below ceiling level, clerestory windows offer a modern solution for bringing light into extensions and self-build homes. They are especially useful as a design feature for transporting light deeper into structures while still maximising privacy.

Oriel Windows
A contemporary take on a traditional bay window, Oriel Windows are the ultimate in stylish and modern design. The near-frameless glass boxes usually protrude from the wall of a property to create a light-filled space that is perfect as a window seat and are custom made to meet your exact requirements.

Sliding Windows
An alternative to traditional window designs, our sliding windows are developed using the same advanced technology as our sliding door systems, the EDGE20, which features ultra-narrow 20mm sightlines and the hugely popular Grand Slider II which has 83mm sightlines. Their slim frames and easy to use construction make them perfect for larger apertures in both domestic and commercial applications.

Folding Windows
A popular choice in continental Europe, folding windows are ideal for creating complete openings within an aperture. They are ideal at ground floor level for connecting living spaces with gardens and can also be incorporated into a run of bi-fold doors to create sleek, pillar-free design as well as including integrated tilt & turn windows within each panel of the system.

Curtain walling
An established element of commercial glazing, curtain walling is one of the latest trends in domestic renovations, extensions and new-build homes because of the large areas of glass that can be achieved. The large glass facades with slim, thermally broken aluminium frames are perfect for filling double height rooms full of light, bringing the outside in.
Front doors

We have a selection of high performing front doors that will cope with demanding modern day life. Our contemporary aluminium front doors are available in a wide range of styles and colours.

Choose from 24 different designs to find the door that best suits your home, with each door featuring an advanced multi-point lock as standard.

Once you have chosen your design and picked your choice of colour (you can even opt for a dual colour door to match both the inside and outside finishes of your home) you can then personalise your door by adding stainless steel trim around the glass or with a choice of door pulls or handles and then add a letter plate, door knocker or spyhole in your chosen locations – with so many options your door will be unique to your home.

The images above are for illustration purposes only, each style of door can be manufactured with any of our handle options in one of our three standard colours or you can choose from more than 200 RAL colours and finishes.

For information about our door handle and hardware options please see page 13.
Single, Heritage and French doors

Designed with an outer aluminium frame and with a range of configuration options, our glazed doors can be utilised in a number of ways.

Single doors

Either fully glazed or part glazed with an aluminium infill panel, our single doors are a perfect solution for back or side doors. Each door is designed in the same contemporary style as the rest of our products ensuring a consistent design across your home.

French doors

A timeless classic, French doors consist of a double set of doors that open in the middle. Whether on their own or paired with a set of sidelights (windows placed either side of the doors) they offer a stylish alternative for smaller openings.

Heritage Doors

Our range of art-deco inspired Heritage Doors offer a highly engineered, thermally broken alternative to traditional steel framed systems, whilst maintaining the much sought after aesthetic appeal.

The Heritage Doors include slender frames with midrails and can be utilised as an external system to connect home and garden or as an internal room divider.

The system is ideal for traditional properties or for adding character to new-build homes, renovations and extensions. The neo-industrial appearance is one of the hottest trends in glazing and the doors offer the ideal combination of Art-Deco style appearance and modern thermal and weather performance.
Window handles and hardware

Our window handles are provided with key locking for security and are available powder coated to match the frame or satin chrome.

Standard window handle

Tilt & turn window handles

Our standard window handles in Satin Chrome, RAL 7016 Anthracite Grey, RAL 9011 Graphite Black and RAL 7015 Slate Grey.

Inline tilt & turn window handles in RAL 7016 Anthracite Grey and Stainless Steel. Heavy duty tilt & turn window handles in Stainless Steel and RAL 9016 Traffic White for larger opening.

Trickle Vents

Trickle vents allow fresh air to circulate naturally through a room, ventilating your home. They are controllable to give you the option of having them open or closed.

In order to provide background ventilation it is possible to install trickle vents which are small openings fitted into the head frame of the windows. The requirement for trickle vents in your windows is covered by Building Regulations Part F and is dependent on the nature of your project and the advice of your Building Control officer. Our range of colour coded trickle vents includes a number of sizes and capacities to meet the ventilation requirements of your project.

Integral blinds

Our integrated Venetian blinds provide privacy when closed they can also be tilted to provide protection from the heat and the glare of the sun. With the blinds fitted within the cavity of a double or triple glazed sealed unit they do not require cleaning and are protected from damage.

The blinds have either a manual magnetic control or a solar powered rechargeable battery operated by remote control.
Door handles and hardware

Our single glazed doors, French doors and front doors are available with a range of handles and hardware to allow you to personalise your doors to your exact requirements.

We offer a wide range of handles, locking and hardware options. The stainless steel furniture below is available in marine grade 316 stainless steel as standard to provide a contemporary finish in even the toughest of locations. We can also fit your door with a range of hardware including keyless or electrical locking and digital entry viewer upon request.

**Rectangular T-bar handle**
*Material: Brushed 316 stainless steel*
*Sizes: 900mm, 1200mm, or 1500mm*  

**Round T-bar handle**
*Material: Brushed 316 stainless steel*
*Sizes: 600mm, 900mm, 1200mm, 1500mm, or 1800mm*  

**V style handle**
*Material: Brushed 316 stainless steel*
*Size: 1200mm*  

**Square door pull**
*Material: Brushed 316 stainless steel*
*Size: 80mm x 80mm*  

**Lever handles**
Our lever handles are available powder coated in standard colours or in stainless steel finish. The backplates of the handles can be configured with / without key locks or with an internal thumb turn.

**Stainless steel handles**
*Size: 250mm height*  

**Powder coated handles**
*Size: 240mm height*  

For our front doors you can choose from a number of door furniture options including a range of stainless steel door knockers and spy holes, plus letter plates.
Glass options

All of our products are available with a wide range of glazing options and we’ll work closely with you to identify the right glazing solution for you.

Standard
To reduce heat loss through the glazing the internal surface of the glass is coated with metallic elements, this coating is known as low-e, where the ‘e’ stands for emissivity. The almost invisible coating is designed to reflect heat back into the room. There are various types of low-e coating with the more efficient coatings being referred to as ‘softcoat’ they can provide glass centre pane u-values as low as 1.0W/m²K in double glazing or 0.5W/m²K in triple.

Solar Control
The coating applied to the surface of the glass has properties to both reflect the heat from inside your home back into the room as well as reflecting or absorbing the heat radiating from the sun back to the outside. The benefit is the reduced need for cooling rooms in summer months. Solar control has two forms, either a tinted glass that absorbs heat or a neutral glass which reflects heat; these are measured as a Solar factor or G-value. Both types of glass will reduce the amount of light transmitted through the glass, however a neutral glass will have a higher rate of transmittance.

Low Iron
By reducing the amount of iron within glass it becomes much clearer and inherently will let through more light. This makes it a popular option to use on elevations that do not get direct sunlight to maximize the daylight that will pass through the glass. As well as an increase to the light transmittance, it also lets through more energy from the sun which is great on a sunny autumn day, but it can cause a greenhouse type affect in the summer months.

Laminated
By bonding two panes of glass together with a transparent film in-between, security of glazing can be improved. Rather than shattering, like toughened or non-toughened glass, the pane will crack on impact, where the bonded film safely and securely holds the sandwich of glass as one piece. There is also an added benefit that the transparent film cuts down Ultra Violet (UV) radiation to just 2% which causes furnishings and materials to fade.

Colours

There are over 200 RAL colours to choose from, a dual colour option giving different colours to the inside and outside is available as an additional extra.

We have chosen three of our most popular finishes as standard stocked colour finishes, which are Graphite Black RAL 9011 matt, Slate Grey RAL 7015 matt and Anthracite Grey RAL 7016 semi-gloss.
Complete glazing solutions, whatever your project...

Award-winning bifolds doors, sliding doors and glazing solutions - all made to fit your home perfectly.

Transforming your home needs an experienced and safe pair of hands, so choosing the right company to work with is important. At IDS, we're the market leader in providing multi-award winning glazing solutions for all types of projects – extensions, renovations, self-builds and complete new homes. We guarantee the highest standards of advice, build quality, design and bespoke installation for your complete peace of mind. As a family business founded in 2000, we've built an outstanding reputation for quality, service, expertise and some of the most exciting and innovative designs. From your very first contact with us, you'll know that you're dealing with an industry leader. From our initial designs and technical advice to liaison with architects and builders, creating working CAD drawings and the logistics of final installation, our own staff will be with you every step of the way.