



# IDSystems advanced aluminium windows

Our contemporary aluminium windows and doors can be designed and manufactured to meet almost any requirement, from modern casement windows, to Art Deco inspired heritage designs, glass curtain walling 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.







## Your windows, exactly how you want them...

Our windows are available in a wide range of styles, designs, configurations and combinations of opening sashes and fixed frames.

With contemporary square-edged frames and a range of design options that can be tailored to the demands of your project, our thermally broken aluminium systems are equally at home as replacement windows on an urban extension as they are creating a stunning picture window on the grandest of Grand Designs style self-build home.

Our casement windows can be designed in a wide range of styles and combination of openings, fixed frames and vents. From standard designs to more detailed requirements, every window is custom made to suit your home.

### Top hung

When the window is opened the top of the sash is moved downwards away from the frame and the base of the sash pushes outwards.

Our top hung windows are available with **standard** or **restricted** hinge options:

With both hinges the degree to which the sash opens is controlled by friction stays on the hinge which allow the sash to be fixed at any open position.

### Side hung

Designed with concealed hinges in the top and bottom of the frame, our side hung windows are a modern design and one of our most popular window styles. The window opens 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 **standard**, **restricted** or **egress** hinge options. Egress hinges are utilised where a fire escape is needed to comply with Building Regulations, 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.

#### Tilt & Turn

A contemporary addition to our window range, the inward opening tilt and turn windows offer the flexibility of being able to tilt open for part ventilation or completely turn open to make the most of nice weather or to clean from the inside.

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.







#### Side Hung

### KEY FEATURES

### A wide range of colours

Available as standard in DB703 Gun Metal Grey textured, RAL 7016 Anthracite Grey matt and RAL 9005 Jet 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 and the glass is secured by internal beading.

### 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 24 security approved

Our windows can meet and exceed the security requirements of Part Q of Building Regulations<sup>‡</sup>.

### Secured night-vent position

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

#### Trickle vents

We 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, security, acoustic and low iron glass to meet your exact requirements.

### 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 be incorporated alongside our other glazing products, including sliding, heritage, slide & turn and bifold doors, ensuring you achieve a consistent appearance across the whole of your project.



Two top hung sashes either side of a central dummy sash



Side hung window alongside large fixed frame



Four top hung sashes and fixted frame picture windo

<sup>\*</sup> Requires P1a specification glazing to comply with Part Q.

## Custom designed window solutions...

With more than 20 years' experience of manufacturing and installing aluminium windows we can create an unrivalled range of bespoke designs

Our in-house design team are able to create stunning window designs, whether you are looking for traditional casement windows or something more complex. Each window can be configured to meet your exact requirements whether you are adding an extension, completing a renovation or building the grandest of Grand Designs syle homes.

For larger apertures we can combine products together to create a complete glazing solution, with each individual element designed together to create a consistent appearance across the whole elevation of your home.



## Picture windows

### Make the most of the view out

With slender aluminium frames, our stylish window systems are ideal for creating large fixed frame picture windows, ideal for making the most of the view out or for maximising the amount of light you let in.

Picture window can be designed as individual frames or incorporated alongside our bifold or sliding doors to create a continuous glazing solution.

## Glass-to-glass corners

### Create panoramic views of your garden

Perfect for opening up the corner of a room, our windows with 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 an opening window or a door system to create a focal point for your project.





## Glass curtain walling

### Create stunning double height glazing

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 double or even triple storey heights that can be achieved.

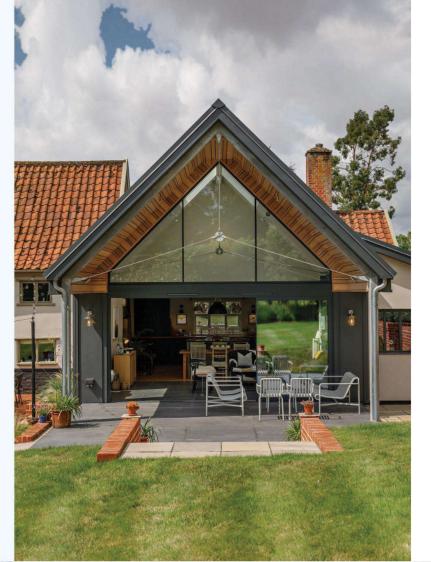
The large glass facades with slim, thermally broken aluminium frames are perfect for entrance halls with high ceilings or across the back of a house to breakdown the boundaries between inside and out.

## Gable-end glazing

### Custom designed angled fixed frames

Our gable end glazing, made up of angled units, is perfectly suited to sit under pitched roofs and above windows, sliding or bifold doors.

We will always try to complement the frames of the gable end to the sightlines of the doors or windows below to provide a clean look to your design.



## Bifold windows

### A stunning alternative to traditional windows

Bifold windows are ideal for creating complete openings within an aperture. They are often utilised at ground floor level for connecting living spaces with gardens or on upper floors, like loft conversions, to make the most of a view over the rooftops.

Our advanced engineering even allows us to combine a bifold door with a bifold window to create a create sleek, pillar-free design.





## Oriel windows

### Minimalist glass box designs

A contemporary take on a 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

### Minimal frame, maximum glass

An alternative to traditional window designs, our sliding windows are developed using the same advanced technology as our sliding door systems, the EDGE 2.0, 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 window openings in both domestic and commercial applications.

### Window handles & hardware

Our window handles are provided with key locking for security and are available in black or satin chrome.

#### Standard Window Handle



Our slender standard window handles are available in Black or Satin Chrome finishes.

### Tilt & Turn Window Handle







Two top hung sashes with trickle vent

### Integral Blinds

Trickle Vents

of having them open or closed.



Integrated Venetian blinds in Metallic Silver finish

Our integrated Venetian and pleated 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.

Trickle vents allow fresh air to circulate naturally through a room,

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.

ventilating your home. They are controllable to give you the option

The blinds have either a manual control or a solar powered rechargeable battery operated by remote control.

### 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 particles, 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.

We use toughened safety glass as standard which is five times stronger than regular glass.

#### Low Iron

Reducing the amount of iron within glass makes it much clearer, offering views that appear in a more natural colour, whilst also letting 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.

### 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, particularly important for the new Part O of Building Regulations.

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 and no discernible tint.

### Laminated

By bonding two panes of glass together with a transparent polymer in-between, security of glazing can be improved. Rather than shattering, like toughened or non-toughened glass, the pane will crack on impact but still remain in place to maintain security.

There is also an added benefit that the transparent film cuts down Ultra Violet (UV) radiation, which is responsible for furniture fade, to just 2%.

### Colours and finishes

We have chosen three of our most popular finishes as standard stocked colours - Gun Metal Grey DB703 textured, Anthracite Grey RAL 7016 matt and Jet Black RAL 9005 matt. Alternatively you can choose to completely customise your doors with a choice of one of more than 200 bespoke colours and finishes, including the full RAL Classic range.









<sup>\*</sup> Please note the design of the tilt & turn handle may vary depending on the design and size of the window sash. For more information please contact us.



sliding doors



bifold doors



slide & turn doors



heritage doors



aluminium windows



glass roofs



internal alazino



front doors



**glass** balustrades



B2 Rhombus Park Diamond Road Norwich NR6 6NN

#### See our **windows** at

- ► The Building Centre in Central London
- Our Comprehensive Showroom in Norwich







