



ALUMINIUM
WINDOWS

CONTEMPORARY SLENDER
FRAMED WINDOWS



See our **aluminium windows** at

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

IDSystems 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...

Aluminium window systems

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.

When appearance is everything our **Vision53** windows offer the perfect option. With its narrow sash profile and outer frames you are able to maximise the glass area in the window so that you can make the most of both the view out and the amount of light you let in to your rooms.

When it comes to sheer versatility, stylish appearance and performance the **Thermo65** is the go-to option. Its wide range of configurations make it ideal for multiple window designs, whilst it is also the ideal solution for those seeking enhanced thermal efficiency and performance.

Vision53

Our most popular window system, the highly engineered **Vision53** provides a modern, square edge profile.

- Suitable for: New openings or replacement windows
- Configurations: Casement (including top hung or side hung) and Fixed Frames
- Profile shape: Square edged
- U-value: From 1.4W/m²K (double glazed)
- Window energy rating: Achieves B rating
- Weather rating: Independently tested to 1200Pa (Class E) for water tightness and 600Pa (Class 4) for air permeability



Vision53 window | RAL 7016 Anthracite Grey
Single side opening sash with large fixed frame

Thermo65

The incredibly versatile **Thermo65** is ideal for projects that require enhanced thermal performance, including larger openings.

- Suitable for: New 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: Square edged
- U-value: from 1.1W/m²K (triple glazed) & from 1.2W/m²K (double glazed)
- Window energy rating: Achieves A rating
- Weather rating: Independently tested to 900Pa (Class E) for water tightness and 600Pa (Class 4) for air permeability.



Thermo65 window | DB703 textured
Two top hung sashes



Heritage windows | RAL 9011 Graphite Black
Side hung sashes either side of fixed frames (left) and fixed frame window (right)

Aluminium heritage windows

For those seeking to replace traditional steel windows in period properties or looking to incorporate the Art Deco style of slender horizontal bars into a new extension or home, our aluminium heritage windows offer the perfect solution by matching period aesthetics with the latest in modern security, thermal and weather performance standards.

Heritage

Art Deco inspired aluminium windows that most closely matches the appearance of traditional steel frames.

- Suitable for: New and prepared openings or replacement windows
- Configurations: Casement (including top hung or side hung), Tilt & Turn and Fixed Frames
- Profile shape: Square edged
- U-value: From 1.4W/m²K when double glazed
- Window energy rating: Achieves B rating
- Weather rating: Independently tested to 450Pa (Class 8A) for water tightness and 600Pa (Class 4) for air permeability



Heritage window | RAL 9011 Graphite Black
Two side opening sashes with fixed frame between



Vision53 heritage windows | RAL 9005 Jet Black
Multiple top-hung sashes and large central fixed frame window

Vision53 / Thermo65 Heritage

By adding horizontal bars to the **Vision53** or **Thermo65** frames we can create a wider range of configurations in the heritage style

- Suitable for: New and prepared openings or replacement windows
- Configurations: Casement (including top hung or side hung), Tilt & Turn, Fixed Frames, Gable End Glazing and Angled Frames
- Profile shape: Square edged
- U-value: from 1.2W/m²K double glazed or 1.1W/m²K triple glazed
- Window energy rating: **Vision53** achieves A rating, **Thermo65** achieves B rating
- Weather rating: Independently tested to 900Pa or 1200Pa (Class E) for water tightness and 600Pa (Class 4) for air permeability.

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.

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 two hinge options:

Standard hinges slide the sash down and outwards opening up the window at the bottom to allow ventilation.

Restricted hinges are integrated into the hinge and automatically resets after the window is closed from the fully open position. Ideal for ground floor ventilation and for providing protection against falling at higher levels. The button can be overridden if required.

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 three hinge options:

Standard hinges slide the sash towards the centre of the frame when opening, enabling the outside of the window to be cleaned from inside.

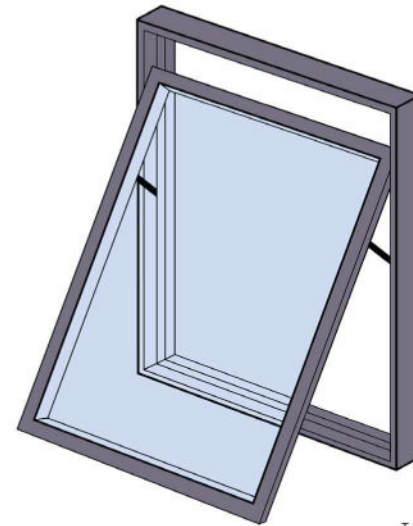
Restricted hinges prevent the sash from being completely opened under normal operation, making them ideal for security and safety, particularly for young children's bedrooms.

Egress hinges are utilised where a fire escape is needed under 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. The egress hinge has an easy clean mode, giving access to the outside surface of the glass to enable it to be kept clean.

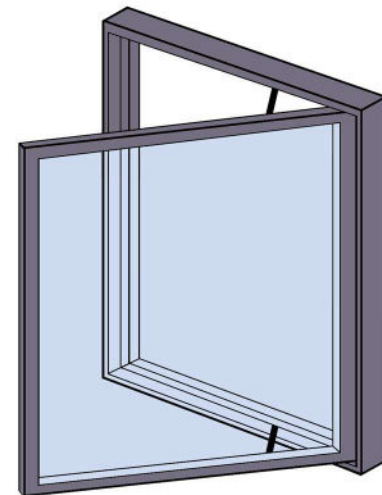
Tilt & Turn

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.

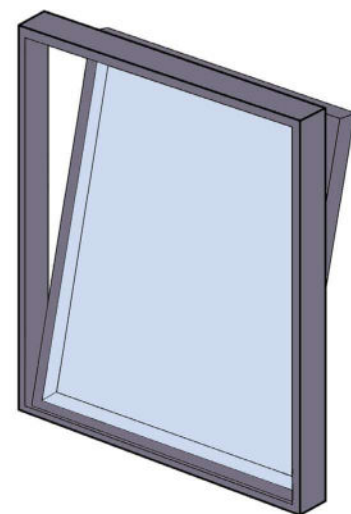
Tilt & turn windows can be manufactured in larger sizes than top or side hung windows making them popular for full height glazing and for parts of the house that need additional ventilation.



Top Hung



Side Hung



Tilt & Turn

KEY FEATURES

• A wide range of colours

Available as standard in RAL 7015 Slate Grey matt, RAL 7016 Anthracite Grey matt 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 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 24:2016

Our windows can meet and exceed the security requirements of Part Q of Building Regulations.

• 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.



Vision53 window | DB703 textured
Two top hung sashes either side of a central dummy sash



Vision53 window | RAL 7016 Anthracite Grey
Side hung window alongside large fixed frame



Thermo65 window | RAL 7016 Anthracite Grey
Four top hung sashes side-by-side



Thermo65 windows | RAL 7016 Anthracite Grey
Full height tilt & turn window (right), glass-to-glass corner fixed frames with Grand Slider II sliding door

Specialist window designs

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

Picture Windows

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



Vision53 windows | RAL 7016 Anthracite Grey
Three full height fixed frame windows



Thermo65 gable end glazing | RAL 7013 Brown Grey
Six angled fixed frames above SF55 bifold doors

Gable End Glazing

Our gable end glazing, made up of angled units, is perfectly suited to sit 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.

Glass-to-Glass Corners and Inline joints

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.



Thermo65 windows | RAL 6015 Black Olive
Fixed frame window with frameless glass-to-glass corner

Clerestory Windows

Installed above head height and just below ceiling level, clerestory windows offer a modern solution for bringing light into a room. They are especially useful as a design feature for extensions on sloping sites to transport light deeper into structures or for bathrooms where they are ideal for maintaining privacy.



Thermo65 windows | RAL 7016 Anthracite Grey
Top hung kitchen window, clerestory windows and glass-to-glass corner



Oriel Window | RAL 9011 Graphite Black
Frameless Oriel window with window seat base

Oriel Windows

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

An alternative to traditional window designs, our sliding windows are developed using the same advanced technology as our sliding door systems, theEDGE2.0, 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.



Grand Slider II sliding window | RAL 7016 Anthracite Grey
XO | Twin track



SUNFLEX SF55 bifold window | RAL 9011 Graphite Black
4-panel window alongside 3-panel door

Bifold 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 and can also be incorporated into a run of bifold doors to create sleek, pillar-free design.

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 double or even triple storey heights that can be achieved. The large glass facades with slim, thermally broken aluminium frames are perfect for filling rooms full of light, bringing the outside in.



IDS Glass Curtain Walling | RAL 9011 Graphite Black
Curtain walling including angled fixed frames

Window handles and 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 RAL 9011 Graphite Black or Satin Chrome finishes.

Tilt & Turn Window Handle

Our tilt & turn window handles are available in Stainless Steel, RAL 7016 Anthracite Grey, RAL 7015 Slate Grey, or RAL 9011 Graphite Black finishes



Thermo65 window | DB703 textured
Two top hung sashes with trickle vent



Thermo65 window | DB703 textured
Integrated Venetian blinds in Metallic Silver finish

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.

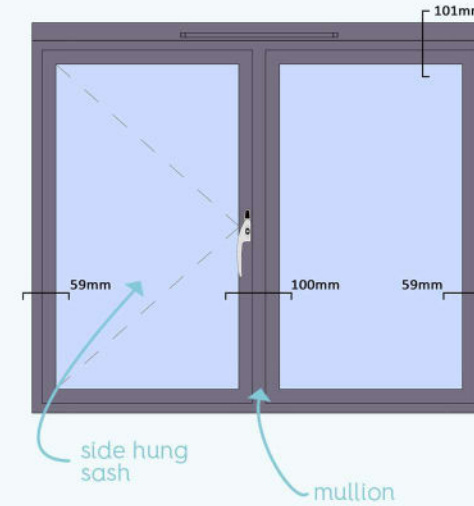
Integral Blinds

Our integrated Venetian 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.

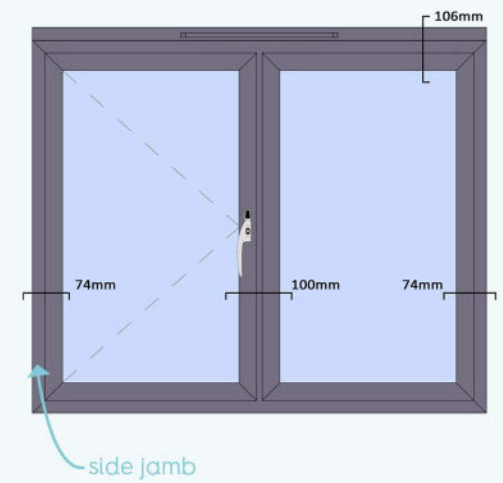
The blinds have either a manual control or a solar powered rechargeable battery operated by remote control.

Technical specifications

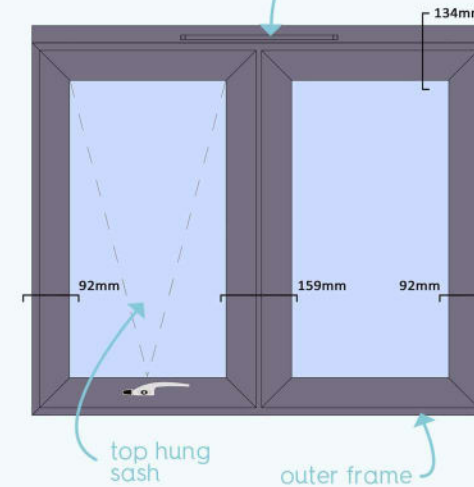
Vision53.33



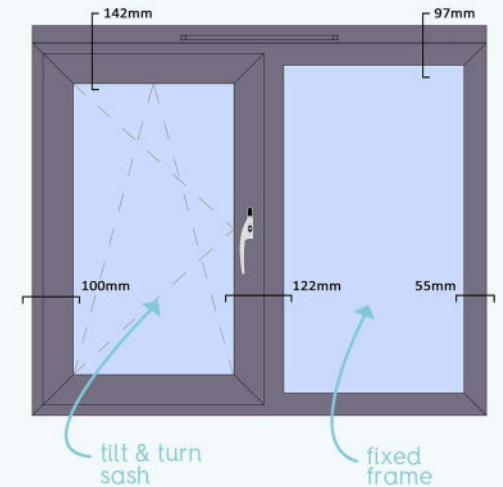
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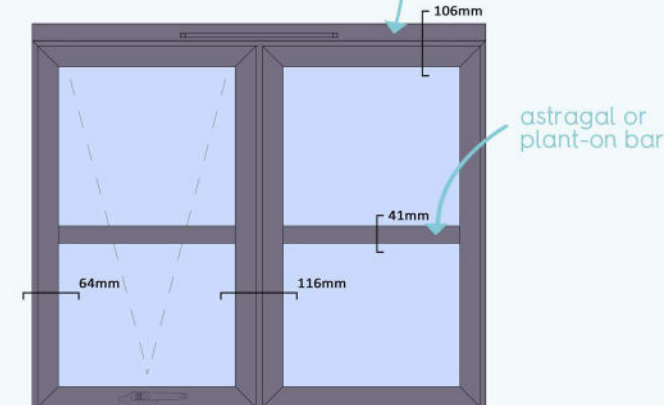
Thermo65 Casement



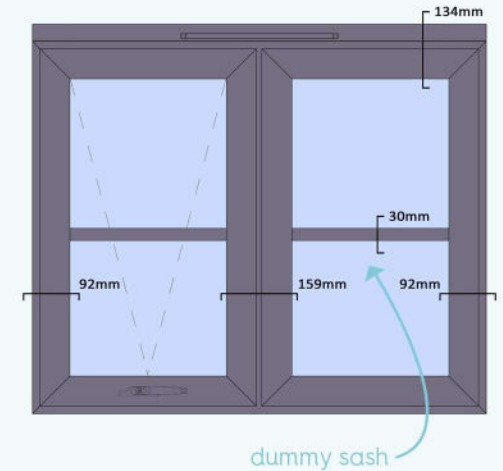
Thermo65 Tilt & Turn



Heritage



Thermo65 Heritage



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 to just 2% which is responsible for furniture 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, Anthracite Grey RAL 7016 matt and Slate Grey RAL 7015 matt.



Complete glazing solutions, whatever your project...

Award-winning bifold 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 IDSystems, 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.

Founded in 2000, we've built an outstanding reputation for quality, service, expertise and some of the most exciting and innovative designs.

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.





sliding doors



bifold doors



slide & turn doors



heritage doors



aluminium windows



glass roofs



internal glazing



front doors



glass balustrades

IDSystems
innovative glazing

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