



The New Way to
Enjoy a Better Home

myALI
FRAMING
SOLUTIONS



Aluminium windows, french doors and bi-folds in anthracite grey.

OUR ALUMINIUM PRODUCT RANGE

INTRODUCING OUR PRODUCTS

Enhancing your home with a cutting-edge addition is made easy with our aluminium range. From our beautiful bi-fold doors through to our high performance curtain walling, you'll be able to find the perfect style for your property without the hassle. With a wide range of colours and styles on offer, it's never been easier to make your house a home.



04

GLAZING OPTIONS

We offer a wide range of quality, made to measure glazing options, so you won't have to overlook glass as a decorative feature.



05

COLOUR OPTIONS

Colour can play a big role in determining the overall feel of your home; we're here to help you get the right option for your property.



06

BI-FOLD DOORS

Multi-panel function, customisable opening configuration and a seamless connection to your garden or property interior.



12

PATIO DOORS

Simple gliding motion, increased living space and generous glazing areas make these doors a wonderful addition to any home.



16

ALITHERM 400 DOOR SYSTEM

A high performance design with incredible versatility and accessibility, combining classic charm with modern innovation.



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DESIGNER AND SIGNATURE DOORS

Our Designer Door Panels and Designer and Signature Doors are the perfect complement to our window and door ranges.



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CASEMENTS

ALITHERM 400 WINDOWS

Our Alitherm 400 window system is able to achieve a Window Energy 'A' rating, with U-Values as low as 1.5W/m²K.



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CASEMENTS

HERITAGE WINDOWS

The new solution for maintaining the classic looks of a steel framed window with a modern, thermally efficient aluminium frame.



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TILT & TURN WINDOWS

A multi-functional alternative to the casement window, tilt & turn windows offer a choice of opening options to suit your needs and your home.

A Wide
Range of Products,
Defining Excellence
From The Ground Up.



We offer a wide range of high quality glazing options, from ornate one-off lead and stained designs, through to the more traditional rectangular and diamond lead designs. You can also opt for privacy and solar glazing for increased comfort and performance across the year.

All of our glazing options are manufactured using premium materials and professional techniques, ensuring they uphold an outstanding level of structural integrity. This will allow you to enjoy complete peace of mind.

GLAZING OPTIONS



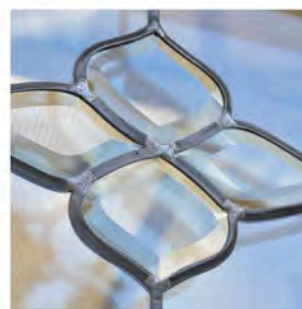
**FEATURE GEORGIAN
BAR**



**INTERNAL GEORGIAN
BAR**

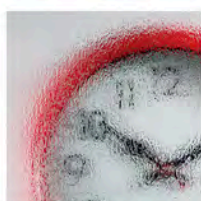


**STAINED
DESIGNS**

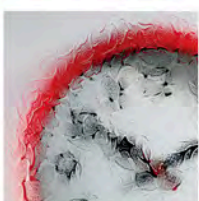


**LEAD & BEVEL
DESIGNS**

PATTERNED GLASS



CONTORA



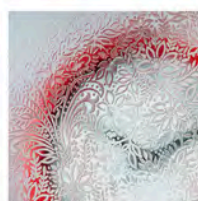
FLORIELLE



STIPPOLYTE



CHARCOAL STICKS



CHANTILLY



MINSTER

Other patterns are available

Stand out with **Colour**

Our aluminium collection is available in a comprehensive range of colours, so you're sure to find the perfect match. All of our colours comprise of a highly durable, powder coated finish to ensure they don't lose their richness or fullness over the years.

As the options that we offer can be decorated with a range of finishes, our colour selection allows them to be seamlessly fitted into both modern and traditional homes alike. This means that you won't have to miss out on the cutting-edge design, no matter your property style.



Guaranteed for **25 years***

*The guarantee we offer covers the coated aluminium against peeling, powdering and blistering as well as chalking, fading, and loss of sheen. Please ask for full details of the guarantee.

Please notify us if the products are to be installed in hazardous environmental conditions as this will affect the guarantee.

The Sensation paint finish is difficult to reproduce in the printing process, as the textured finish takes on a "shimmer" effect in certain light and is unique when compared to the standard range of colours available in the market.

Please be aware that these colours come in different surface finishes as indicated. Please note that these colours are only intended as a guide and you should request a KL colour chart for a more accurate image.

[Classic Colour Range]

Purple Red - Matt
(KL002)

Sepia Brown - Matt
(KL006)

Fir Green - Matt
(KL004)

Grey Brown - Matt
(KL007)

Jet Black - Matt
(KL008)

Steel Blue - Matt
(KL003)

Grey Aluminium - Metallic
(KL013)

White Aluminium - Metallic
(KL012)

Anthracite Grey - Matt
(KL005)

Light Ivory - Matt
(KL001)

Cream - Matt
(KL011)

Pure White - Gloss
(KL009)

Pure White- Matt
(KL010)

[Sensations Colour Range]

Mars Red
(SEN 005)

Vulcan Black
(SEN 014)

Olive Green
(SEN 018)

Sand
(SEN 003)

Dune
(SEN 002)

Desert Grey
(SEN 025)

Antique Green
(SEN 012)

Antique Grey
(SEN 015)

Sky Blue
(SEN 009)

Silver Grey
(SEN 017)

Frost White
(SEN 022)

Velour White
(SEN 001)

KEY FEATURES

- Available in a variety of opening styles, stacked from the right or left, with or without a traffic door; please ask for details
- Available opening in or out
- Contemporary square sash utilising the QUICKglaze bead system
- High security internal beads with multipoint locking
- 28mm double glazed units as standard
- Optional 36mm triple glazed units
- Slimmer sightlines of just 122mm offering a larger glazed area
- U-value of 1.5 W/m²K (centre pane of 1.0 W/m²K) for new dwellings and commercial projects
- Optional main traffic door with access handle both sides
- Optional acoustic and barrier glazing
- Optional Secured by Design upgrade
- Optional integral blind units
- Optional low threshold

Anthracite grey bi-fold door.

BI-FOLD DOORS

WHAT ARE BI-FOLD DOORS?

Bi-fold doors consist of multiple panels that open in a sequence, allowing you to enjoy a generous opening. Their sleek and light design combines with a simple opening mechanism, ensuring easy and effective use every time.



28mm U-value
1.5W/m²K
Double Glazed



Compliant with
Document L
requirements





Umbra grey aluminium bi-fold.



Our aluminium bi-fold doors are inherently customisable, available in a wide range of colours.

You can also choose from a wide selection of hardware options and panel counts to ensure you get the ideal fit for your home, perfectly suited to your requirements.

A CUTTING-EDGE DOOR DESIGN, OFFERING A BEAUTIFULLY SEAMLESS CONNECTION BETWEEN YOUR HOME AND GARDEN.





Peace of Mind is **Secured by
Specialist Design**



Anthracite Grey bifold doors with a movable central pillar which open up to create an unobstructed vista.

Upgrade to **Secured by Design**

We understand that security is important for helping you feel comfortable in your home, which is why we provide an optional upgrade to “Secured by Design” accreditation. These doors have been meticulously tested under Police specifications to ensure your home is better protected.

Secured by Design



Police Preferred Specification

Accredited Member Company

sternfenster
window systems

CONFIGURATIONS

Complete list of configurations

1 PART BI-FOLD

1

0

1

1

1

0

2 PART BI-FOLD

2

0

2

2

1

1

2

2

0

3 PART BI-FOLD

3

0

3

3

1

2

3

2

1

3

3

0

4 PART BI-FOLD

4

0

4

4

1

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5 PART BI-FOLD

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6 PART BI-FOLD

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7 PART BI-FOLD

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8 PART BI-FOLD

8

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7

1

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8

0

KEY TO CONFIGURATIONS

- Total number of doors
- Number of doors opening left
- Numbers of doors opening right
- 880

 These configurations do not have an external handle

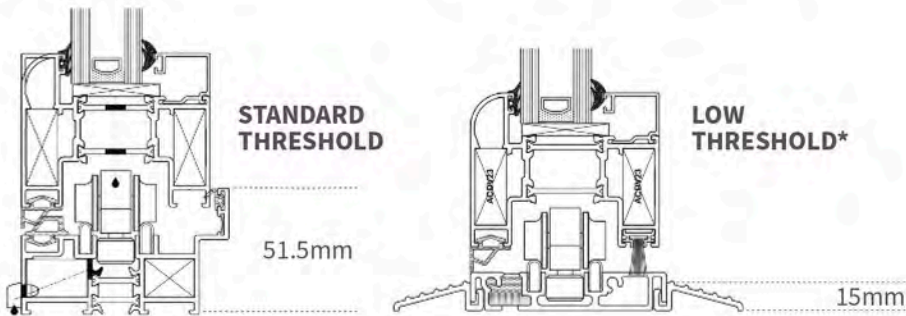
*Low threshold are not recommended for external exposed locations



BI-FOLD DIMENSIONS

Maximum height 2500mm, maximum sash width 1200mm, minimum sash width 700mm

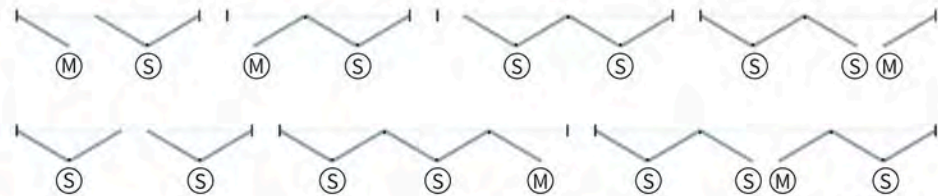
1 door design	min width 600mm	max width 1287mm
2 door design	min width 1550mm	max width 2500mm
3 door design	min width 2260mm	max width 3700mm
4 door design	min width 3020mm	max width 4900mm
5 door design	min width 3680mm	max width 6100mm
6 door design	min width 4430mm	max width 7350mm
7 door design	min width 5100mm	max width 8500mm
8 door design	min width 5860mm	max width 9400mm



CONFIGURATIONS

Examples of design configurations (open in or out)

Ⓜ Main door handle
Ⓢ Slave door handle



Not all options have an outside handle, please check the full list on the left. We also recommend that if you are in an exposed location that you do not have open in bi-folds.



Anthracite grey Visofold Slim bifold door in a 5-0-5 combination



HIGH PERFORMANCE ALUMINIUM PROFILE

Free your living space with an intelligent, high quality aluminium profile with edges and finishes to match the aesthetics of your property.



ENERGY EFFICIENCY

With 28mm double glazing, and 36mm triple glazing options available, our bi-fold doors provide superior performance in energy efficiency.



FLEXIBLE CONFIGURATIONS

We offer a wide choice of configurations with aluminium bi-fold doors. You can choose left to right, right to left and anywhere in-between.

KEY FEATURES

- Available in 2,3,4,5 or 6 sliding sashes, with the moving sash on the inside
- Available with a double or triple track to enable multiple sliders to move in the same direction
- Contemporary design with square profiles
- High security internal beads with multipoint locking
- Lever handle with matching colour options
- 28mm double glazed units as standard
- Optional 36mm triple glazed units
- WER of 'C' and centre pane U-value of 1.2 W/m²K for existing dwellings
- U-value of 1.6 W/m²K (centre pane of 1.1 W/m²K) for new dwellings and commercial projects
- Outer frame with upstand as standard to allow the internal floor to finish flush with the track
- Optional D shaped, or looped handles
- Optional upgrade to PAS 24 enhanced security standard
- Optional acoustic and barrier glazing

Aluminium patio doors in anthracite grey.

PATIO DOORS

WHAT ARE PATIO DOORS?

Patio doors feature a sliding door panel that operates on a horizontal axis. This means that they do not require a swing arc, allowing you to increase the overall living space that you have in the room that they are installed in.



28mm U-value
1.8W/m²K
Double Glazed



Energy rating
DSER C Existing
Dwellings



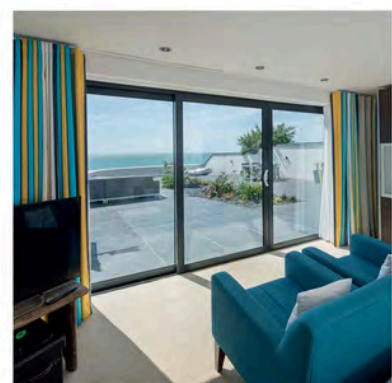
Enhanced
Security



Grey aluminium patio doors.



Optional D handles.



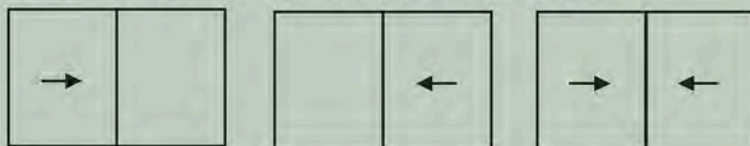
myALI patio doors feature a sleek, stylish aesthetic that is enhanced with high performance hardware and generous glazing areas. Achieving impressive levels of security and thermal efficiency, these doors outclass the traditional design.

**ENJOY SMOOTH
OPERATION, LASTING
QUALITY AND A BRIGHTER,
MORE SPACIOUS HOME
WITH THIS DESIGN.**

CONFIGURATIONS

Complete list of configurations

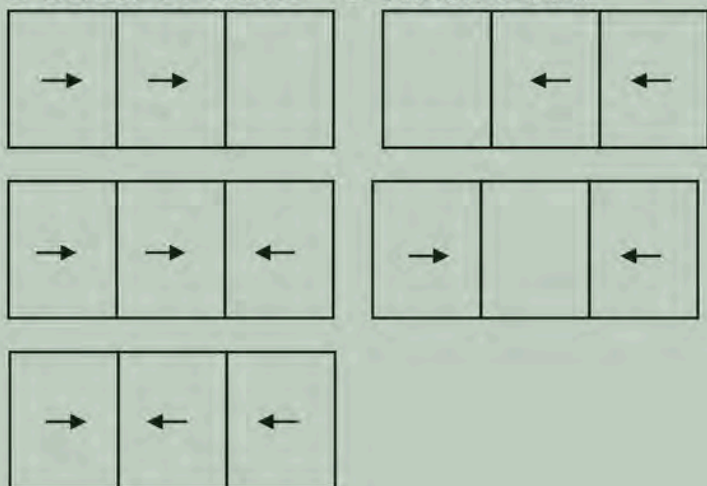
2 DOOR OPTIONS - 2 TRACK FRAME



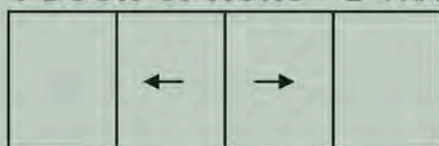
3 DOOR OPTIONS - 2 TRACK FRAME



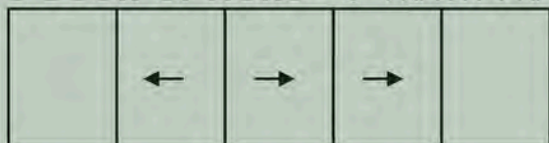
3 DOOR OPTIONS - 3 TRACK FRAME



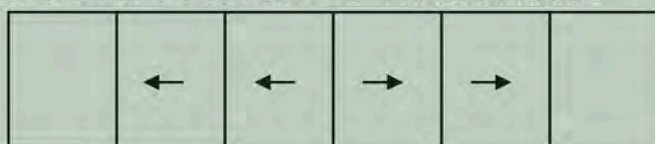
4 DOOR OPTIONS - 2 TRACK FRAME



5 DOOR OPTIONS - 3 TRACK FRAME



6 DOOR OPTIONS - 3 TRACK FRAME



PATIO SPECIFICATION

- Depending on the overall size of the opening there are different options for the number of door sashes and what configuration you want them sliding in.
- The maximum overall height of the patio is 2550mm.
- The maximum width of any door section is 2500mm.
- The maximum weight of any door section is 250kg.
- The larger the glass area, the thicker the glass required and the heavier the door. Access issues should also be considered with large pieces of glass.
- 4mm toughened glass should be used up to 1.6m², 6mm toughened glass up to 2.2m² and either 8mm or 10mm glass after this. Please liaise with us regarding location and design so that we can advise you on the best glass.
- 4mm units = 20kg per m², 6mm units = 30kg per m², 8mm units = 40kg per m², 10mm units = 50kg per m², an unglazed sash at 2.5m x 2.5m weighs approx 25kg.
- There are a variety of different door styles that can be used, ranging from the slim 34mm section through to the 83mm section. As a general rule, the bigger the door and the more exposed location the bigger the section.
- Depending on the wind loading there are numerous strengthening bars that may need to be fitted onto the meeting styles to give structural stability.
- There are different door outer frames, the double track at 117.5mm wide (2 track frame) which is used as standard where you only have single doors moving in one direction and a triple track at 184.5mm wide (3 track frame) which is used when multiple doors are sliding, see configurations opposite.
- The outer frame has an internal upstand around the perimeter, at the cill section this allows the internal floor level to finish flush with it.

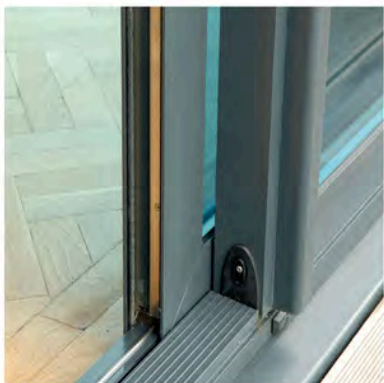
PATIO DIMENSIONS

- Maximum overall width 7000mm.
- Maximum overall height 2550mm.
- Maximum sash size 2500mm x 2500mm.
- Standard double track width 117.5mm, triple track width 184.5mm, both with an upstand 52mm.





Multi-panel aluminium patio doors in anthracite grey



MULTI-WHEELED ROLLING SYSTEM

An intelligently designed opening system allows our patio doors to offer complete ease of use that lasts.



RANGE OF ACCESSORIES

We offer a range of handle and hinge options, allowing you to tailor your aluminium patio doors to your personal tastes.



CUSTOMISABLE OPENINGS

To suit your home, you'll be able to choose the number of sliding panels that you have. You'll always get the perfect fit.



Visofold Slim Door System in anthracite grey.

ALITHERM 400 DOOR SYSTEM

WHAT IS THE ALITHERM 400 DOOR SYSTEM?

The Alitherm 400 Door System is extremely versatile with a number of styles to choose from. In certain configurations there is the option of a 'flying mullion', which means that there is an unobstructed entrance when both doors are opened.

KEY FEATURES

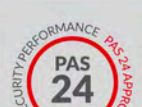
- 70mm outerframe
- Storm or Flush sash options
- Mechanical frame & crimped sash system
- Energy Rating WER C and centre pane U-value of 1.2 W/m²K for existing dwellings
- U-value of 1.4 W/m²K (centre pane of 1.2 W/m²K) for existing and new dwellings, existing and new commercial projects
- Air permeability value of Class 2 300 Pa with ETD410 threshold
- Water tightness value of Class 5a 200 Pa / Class E 1050Pa with ETD410 threshold
- Resistance to wind load value of Class BE & AE 2400 Pa with ETD410 threshold



Energy Rating
1.4W/m²K
New Dwellings



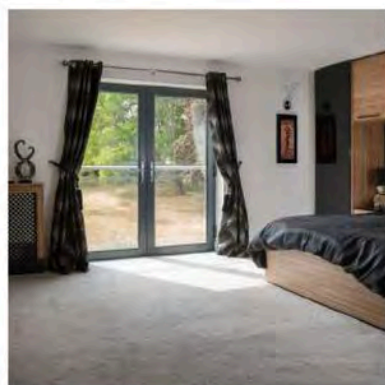
Energy rating
DSER C Existing
Dwellings



Enhanced
Security



Alitherm 400 Door System with heritage slam shut lock.



Our Alitherm 400 Door System can be fitted with a low threshold option to improve the accessibility of wheelchair and pushchair users, combining high security locking systems and a high performance profile to serve as a fantastic addition to any home.

This door system is available in a wide range of colours and finishes, allowing you to decorate your new addition in a style that is perfect for you. Enjoy both traditional aesthetics and modern quality without compromise.

**THE DEFINITIVE OPTION
FOR THOSE LOOKING TO
CAPTURE THE ESSENCE
OF THE CONTINENT,
ENHANCING THE FEEL OF
ANY HOME.**

28

Millbrook style Designer Door in white offers clean, contemporary lines.

KEY FEATURES

- PAS24 Assured when used in our PAS24 Tested door system.
- Highly rated water tightness, resistant to moisture, chemicals, UV damage and extreme winds.
- Constructed using 1.5mm powder coated aluminium sheets bonded to a BreA+ Rated CFC Free Expanded Panel Polycore.
- Maintenance free, a routine 'wipe clean' is all that is required to keep our panels looking their best.
- Styles for every home, designed with performance and efficiency in mind.
- A variety of glazed options available, with or without anodised aluminium trims.
- Available in a wide range of colours and finishes, with the ability to colour match to any RAL colour of your choosing.

DESIGNER DOOR PANELS

WHAT IS THE DESIGNER DOOR PANEL SYSTEM?

The Designer Panel range has been developed to provide the perfect complement to our Alitherm 400 doors. Carefully selected for various house styles, these panels offer elegant aesthetics whilst delivering on security, performance and quality.



Energy Rating
1.4W/m2K
New Dwellings



Energy rating
DSER C Existing
Dwellings



Enhanced
Security



Left to Right: Broadstone panel in Anthracite, Amersham panel in SEN009, Sherbourne 4 in Anthracite



AMERSHAM



BLOOMSBURY



BROADSTONE



SHERBOURNE 4



KENSINGTON



OAKHAM



SHERBOURNE 3



MARLBOROUGH

OFFERING HIGH SECURITY TOGETHER WITH LOW MAINTENANCE AND DURABILITY, DESIGNER PANELS HAVE BEEN ENGINEERED TO DELIVER LONG LIFE, ROBUST PERFORMANCE.

The Designer Door Panel collection has been developed to complement both our Alitherm and EcoFutural ranges.

Each system is designed and manufactured to the highest standards, delivering elegance and outstanding performance over a lifetime of use.

We provide a comprehensive guarantee on our door panels which covers the paint finish for 25 years.



Portobello style Signature Door in anthracite with Alitherm 400 window.

SIGNATURE & DESIGNER DOOR

WHAT ARE THE SIGNATURE AND DESIGNER DOOR RANGES?

Signature and Designer Doors are the next generation of aluminium composite doors, delivering better security, better performance, and better looks. Make a great first impression with doors that are designed to complement all homes – from the very traditional to ultra modern.

KEY FEATURES

- Fully Compliant with PAS24, offering outstanding security.
- Fitted with a 3* cylinder for outstanding protection.
- Benefitting from laminated and toughened double glazed units that are PAS24 Approved.
- Highly rated water tightness, resistant to moisture, chemicals, UV damage and extreme winds.
- Strong and durable, manufactured with 1.5mm aluminium sheet as standard.
- 60mm thick door leafs offer superior strength and security.
- Offering excellent insulation, each door incorporates a polyamide thermal barrier and two weather seals for enhanced thermal performance.
- Maintenance free, a routine 'wipe clean' is all that is required to keep our panels looking their best.
- Available in a wide range of colours and finishes, with the ability to colour match to any RAL colour of your choosing and complement our other systems.



The traditional Broadfield Signature Door offers a perfect country cottage look



CHOOSE YOUR COLOUR

A virtually limitless choice of colours. Choose the perfect colour combination for your door and frame to suit your home's aesthetic.



ULTIMATE IN LOW MAINTENANCE

You'll never have to re-paint, re-varnish or treat your aluminium door. The finish will stay exactly the same, looking fantastic with just an occasional wash.



KEEP THE WEATHER OUTSIDE

All Signature and Designer doors have the assurance of two weather seals, providing superior weather protection and keeping your home warm and energy bills down.



Alitherm 400 casement window offers contemporary styling.

OUR CASEMENT WINDOW RANGE

ALITHERM 400

WHAT IS THE ALITHERM 400 RANGE?

The Alitherm 400 is perfect for homeowners wanting high-performing, thermally efficient windows with great aesthetics and an excellent life span.

KEY FEATURES

- Traditional open out casement window with the elegance and styling of a timber product
- Storm and Flush sash options
- Contemporary styling for modern homes and offices
- Slim profiles for beautiful sightlines and to maximise glass area
- PAS24 compliant optional
- 70mm square outer frame
- Optional dummy vents to give equal glass sightlines
- Variety of handles with matching colour options
- Bi-directional espagnolette multi point locking for high security
- 28mm double glazed options
- WER of 'A' and centre pane U-value of 1.2 W/m²K for existing dwellings
- U-value of 1.5 W/m²K (centre pane of 1.2 W/m²K) for new dwellings and commercial projects



Air
Class 4



Water
E1200



Wind
2400Pa



Make every detail perfect, with a wide range of colour options, matching a window to a home has never been easier.

ENHANCE YOUR HOME WITH A CUTTING-EDGE DESIGN, BRINGING MUCH LOVED AND VALUED FEATURES INTO THE MODERN AGE.



Alitherm 400 casement system - available in flush finish.



TRADITIONAL STYLING

Complementing contemporary and traditional homes alike, the versatile Alitherm 400 provides a picture-perfect aesthetic. The ideal choice with its exceptional weather resistant qualities and low maintenance design



IMPRESSIVE PERFORMANCE

Enjoy a warmer, more comfortable home with exceptional energy performance. Our Alitherm 300 window system is able to achieve a Window Energy 'B' rating, with U-Values as low as 1.6W/m²K.



HIGHLY DURABLE

Enjoy lasting quality with our aluminium windows. Highly durable, they will not rot, warp or discolour over time. Designed to meet the demands of today's modern home, these windows are incredibly low maintenance.

Anthracite grey Heritage casement range

KEY FEATURES

- Outward opening casement windows with storm sash
- Slim profiles to maximise glass area
- Suitable for steel replacement windows in listed buildings
- External square bead to fixed panes with flat internal beading to opening lights
- 47mm frame depth
- 28mm double glazed units as standard
- Optional 36mm triple glazed units
- WER of 'B' and centre pane U-value of 1.2 W/m²K for existing dwellings
- U-value of 1.6 W/m²K (centre pane of 1.1 W/m²K) for new dwellings and commercial projects
- Bi-directional espagnolette multipoint locking
- Variety of handles with matching colour options

OUR CASEMENT WINDOW RANGE

HERITAGE WINDOWS

WHAT ARE HERITAGE WINDOWS?

Heritage windows are designed to be built as a multi-part window, loyally capturing the look of the traditional window build. They are suited as a modern solution for refurbishment projects and period properties.



Air
600Pa



Water
600Pa



Wind
2400Pa

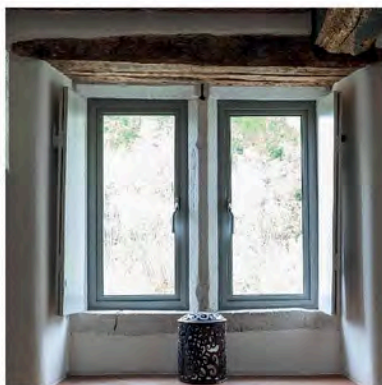


Our Heritage range of aluminium windows stands as the ideal solution for homeowners looking to maintain the character and charm of their property, utilising traditional designs to accommodate listed building renovations and refurbishment projects.

**BRING TRADITION
TO YOUR PROPERTY
WITH THE HERITAGE
RANGE, INSPIRED
BY GENERATIONS OF
WINDOW DESIGN AND
AESTHETIC.**

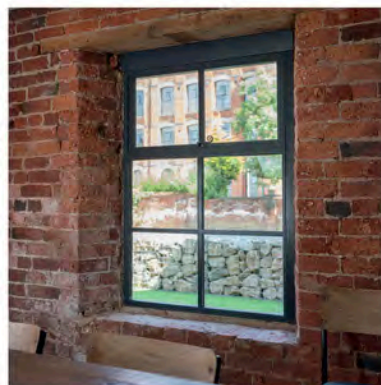


Agate grey Heritage casement windows.



HERITAGE DESIGN

The Heritage window system offers a modern thermally broken alternative to old steel windows, specifically designed with slim sightlines, attractive contours and enhanced thermal performance.



HIGH PERFORMANCE

Protect your home from the elements and any would be intruders with a traditional window design. Our Heritage collection utilises a cutting-edge approach throughout.



WEATHERPROOF

To ensure a warmer and more comfortable home throughout the year, these windows utilise high performance weather seals to eliminate draughts.



Anthracite grey tilt & turn window.

KEY FEATURES

- Slim and stylish square internal bead
- Hidden gearing and hinges for added security
- Available in dual colour
- Max height and width of 1700 x 2100 as a single opener
- 65mm frame depth
- U-value of 1.6 W/m²K (centre pane of 1.1 W/m²K) for new dwellings and commercial projects
- U-value of 1.4 W/m²K (centre pane of 0.8 W/m²K) for existing dwellings

TILT & TURN RANGE

WHAT IS A TILT & TURN WINDOW?

Aluminium tilt & turn windows are characterised by a 'tilt' function, which means the window can open on a 90° angle without compromising the locking system. They stand out as a unique window design, effortlessly enhancing functionality and home comfort.



Air
600Pa



Water
900Pa



Wind
2400Pa

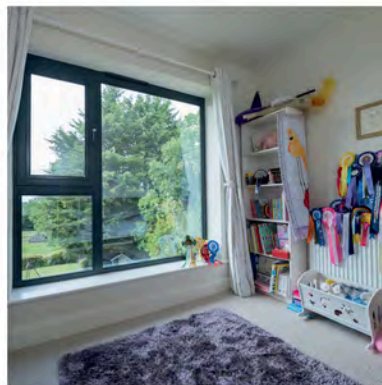


Anthracite grey tilt & turn window.



CONTEMPORARY DESIGN

Our tilt & turn range offers a warm contemporary feel, aesthetically pleasing to the eye with a flush finish, they also have great thermal properties with an innovative polyamide thermal break.



LEADING PERFORMANCE

Designed for today's standards, our aluminium tilt & turn windows enhance any property with impressive levels of security, thermal efficiency, and lifespan for lasting quality.



WEATHERPROOFED

Keeping the elements at bay is important to maintaining a comfortable home, which is why we ensure all of our tilt & turn windows prevent draughts and water ingress.



myALI FRAMING SOLUTIONS