



ELITE WINDOWS

Aluminium Windows & Doors

*from the UK's leading supplier
of aluminium systems*



◆ The Smart choice

Our range of aluminium windows and doors has been developed to provide a wide choice of high quality solutions, that not only deliver beautiful aesthetics, but also long-life, low-maintenance and high performance.

Whether you want to replace traditional, art-deco steel windows with the slim lines of a modern, high-performance aluminium system, or to install a thermally-efficient flush casement solution to update the bulkier frames of a tired U-PVC system, we have a modern, high-quality solution to meet your needs.

With a range that includes casement, tilt & turn and pivot window options, together with a complementary choice of door styles and configurations, our systems are suitable for a host of applications – both new build and refurbishment.

Each comes with all the assurances you would expect from the UK's leading supplier of aluminium systems. The elegant aluminium profiles are designed to provide strength, security and durability, ensuring an elegant and robust solution that requires minimal maintenance and delivers outstanding performance over a lifetime of use.



◆ *With over 40 years' experience, we are the UK's leading supplier of aluminium window and door systems.*



◆ Choosing the right window and door for your home

When you are considering which window type to choose, either for a new build or replacement project, there are a number of styles that you can select from.

Of course, you'll need to think carefully about the style that suits your home and your needs as well as the thermal performance that you want to achieve. You will also want to take care to choose the right colour (both for the outside and inside if you select a

dual-colour option) and to think about the style and colour of the window and door furniture.

Once you've chosen your system and colour, it's important to see a sample to make completely sure the tone and shade are exactly what you want. You can then accurately assess the texture, lustre and finish before making your final decision.

Why choose Aluminium

Renowned for its perfect combination of light weight and high strength, aluminium is the ideal material for windows and doors, providing slim, elegant designs and outstanding, long-life performance.

With a life-span measured in decades rather than years, together with extremely low maintenance requirements, aluminium has become the perfect choice for home owners.

All our systems are designed with performance, style and efficiency in mind, with each frame incorporating a 'thermal-break' to insulate it against heat loss, raise the internal temperature of your house and help reduce the risk of condensation.

Maintenance for aluminium systems is simple and straightforward, with a routine 'wipe-clean' all that is required to keep the products looking their best. With no requirement for re-painting or re-varnishing, aluminium windows and doors will never fade, deteriorate or rust, even in harsh environments or coastal locations.

Smart are Qualicoat Marine Approved Powder Coat Applicators





◆ *Our systems deliver the perfect combination of aesthetics, performance, durability and security.*

How do I assess performance?

When assessing and comparing the performance of a window or door, there are a number of things that you should consider, including the following:



Security – Most windows and doors will be certified to PAS 24. This means the system has been tested by an accredited certification body.



Weather – As part of a building's 'envelope', windows and doors contribute to its overall weather performance, including its water and wind resistance and air-tightness. Smart test their window and door systems to make sure they meet the required performance standards.



Thermal Performance 'the U-value' – This depends on a number of factors, including your system and glazing choice. When comparing systems, U-values will give you a good guide as they are simply a standard measure of how good products are at insulating and so retaining heat within a room. The lower the U-value, the better insulator it is.



◆ Our products: Alitherm

Our proven Alitherm systems provide a range of high-quality window solutions for side-hung, top-hung, open-out, top-swing reversible and parallel opening casements.

The range combines elegance with outstanding performance, and features products that achieve an 'A' Window Energy Rating, BRE Green Guide 'A', U-values up to 1.2W/m²K (depending on the glass) and PAS 24: 2016 security.





Certified
KM 81580



Certified
KM 81543



Certified
BS 4873:2016



Certified
PAS 24: 2016



WER



U Value
1.6W/m²K



Air
600Pa



Water
1200Pa



Wind
2400Pa



SH Max Width
1000mm*



SH Max Height
1400mm*



TH Max Width
1400mm*



TH Max Height
1500mm*

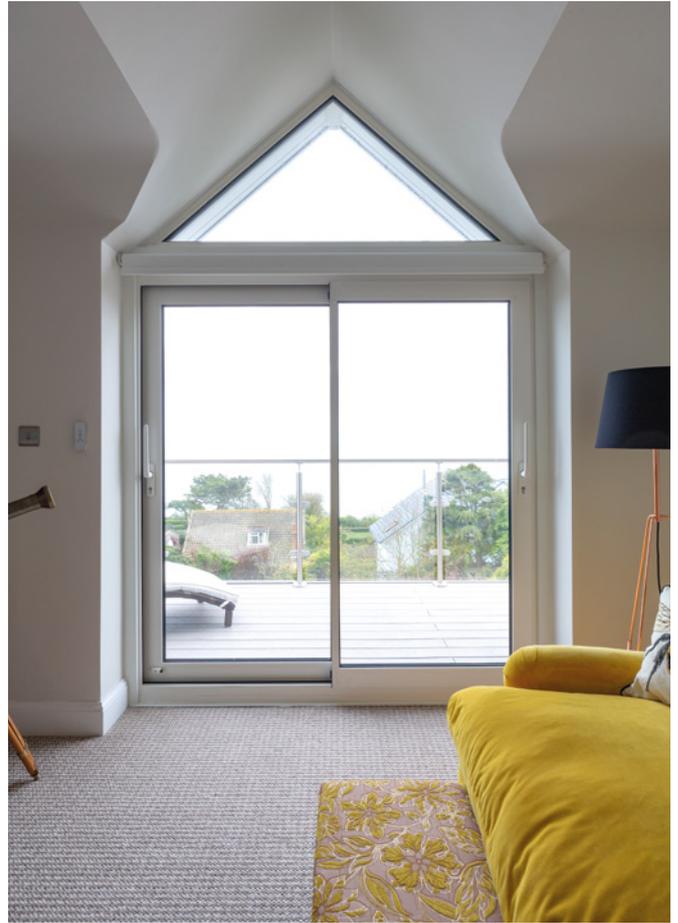
*Refer to fabrication manual for correct hardware & size range to PAS24

Alitherm 600

An enhanced system designed to comply with the revisions to the Building Regulations Document L 2010, Alitherm 600 can achieve Window Energy 'B' rating.

- ◆ British Standard Kitemark KM81580
- ◆ British Standard Kitemark KM81543
- ◆ PAS 24:2016
- ◆ BS 4873:2016
- ◆ Window Energy Rating B
- ◆ Typical U Value 1.6 W/m²K (using 1.0 W/m²K centre pane)
- ◆ U Value 1.1 W/m²K (using 0.3 W/m²K centre pane)

Traditional Detailing
Delivering outstanding performance, Alitherm 600 features a sculptured 'ovolo' profile, designed to echo the traditional look of timber windows.





Certified
KM 81580



Certified
KM 81543



Certified
PAS 24:2016



Certified
BS 4873:2016



WER



U Value
1.3W/m²K



Air
600Pa



Water
1050Pa



Wind
2000Pa



SH Max Width
865mm*



SH Max Height
1400mm*



SH Max Width
865mm*



SH Max Height
1400mm*



TH Max Width
1400mm*



TH Max Height
1300mm*



French Mullion
Alitherm 800 features a 'French mullion' option, enabling both windows to be opened without a central mullion, providing uninterrupted views.

Alitherm 800

Providing a 'French mullion' option for contemporary properties, the premium Alitherm 800 flush casement window delivers outstanding thermal performance, with achievable U-values of up to 1.3W/m²K, depending on the choice of glazing.

- ◆ British Standard Kitemark KM81580
- ◆ British Standard Kitemark KM81543
- ◆ PAS 24:2016
- ◆ BS 4873:2016
- ◆ Window Energy Rating A
- ◆ Typical U Value 1.5 W/m²K
(using 1.0 W/m²K centre pane)
- ◆ U Value 1.0 W/m²K
(using 0.3 W/m²K centre pane)

*Refer to fabrication manual for correct hardware & size range to PAS24



Alitherm Heritage

The Alitherm Heritage ranges have been designed specifically to meet the needs of refurbishment projects, particularly in sensitive planning areas. Ideal for Victorian and Art Deco projects, our windows and balcony doors are proven in a wide range of renovation and heritage projects across the UK.

Providing a modern, like-for-like replacement for traditional steel materials, Alitherm Heritage is the ideal solution for projects where planning or design demands dictate the installation of sympathetic materials - even for listed buildings.

The Alitherm Heritage door and window ranges both feature the slim profiles and sight lines that are associated with traditional

steel doors and windows. However, the system's timeless elegance is also accompanied by the outstanding thermal performance of a modern aluminium system – each delivering a 'B' Energy Rating.

Alitherm Heritage Windows are also available as a tilt turn option.

Suitable for both single and double door application, Alitherm Heritage balcony doors are available in a wide range of sizes and are supplied with a number of locking and security options.

*Refer to fabrication manual for correct hardware & size range to PAS24



Certified
KM 81580



Certified
KM 81543



Certified
BS 4873:2016



Certified
PAS 24: 2016



WER



U Value
1.5W/m²K



Air
600Pa



Water
1050Pa



Wind
2400Pa



SH Max Width
865mm



SH Max Height
1400mm*



TH Max Width
1400mm*



TH Max Height
1500mm*



✦ *Alitherm Heritage is perfect for sensitive refurbishment and renewal work and is ideal for Art Deco and Victorian projects – even listed buildings.*





Our products: EcoFutural

Our outstanding, high-performance window and door range is brought together under the EcoFutural name, offering a wide choice of options for the ultimate in thermal performance and weather protection.

Offering choices including tilt & turn, pivot, and fixed and open-out casement windows, as well as single and double doors, the EcoFutural system features our proven chambered polyamide thermal break that creates a barrier between the cold air outside and the warm air inside. This technology significantly reduces thermal transmittance and enhances the overall U-values of every EcoFutural window and door.

EcoFutural is available in a choice of standard and non-standard colours, with single and dual colour options including our own Naturals, Sensations, Alchemy and Cotswold colour ranges.

- | | | | | | |
|---------------------------|---------------------------|-------------------------------|-------------------------------|-----------------------------|------------------------------|
|
Certified
KM 81580 |
Certified
KM 81543 |
Certified
PAS 24: 2016 |
Certified
BS 4873:2016 |
U Value
1.4W/m²K |
Air
600Pa |
|
Water
Class E1050 |
Wind
AE2400 |
TH Max Width
1440mm* |
TH Max Height
2500mm* |
TT Max Width
1700mm* |
TT Max Height
2400mm* |

*Refer to fabrication manual for correct hardware & size range to PAS24



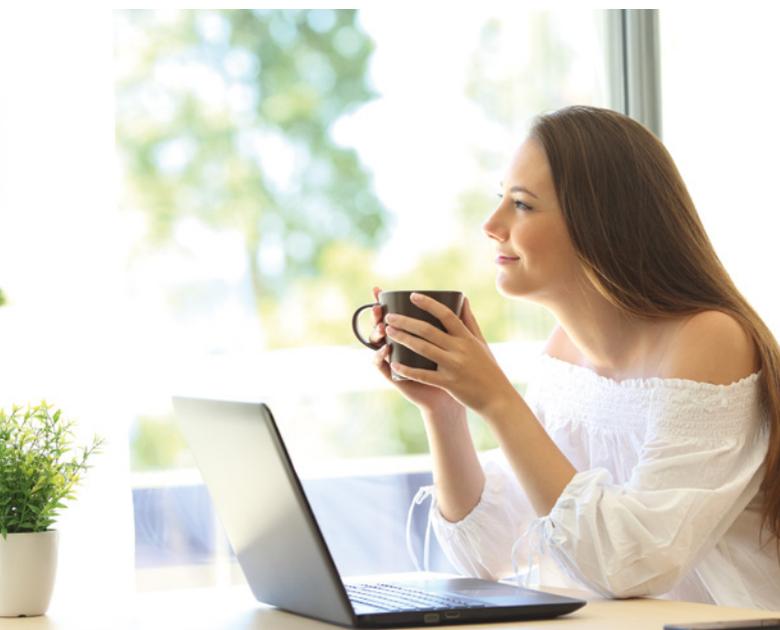
Pivot



Casement



Tilt/Turn



✦ *EcoFutural provides a wide range of options for the ultimate in thermal performance and weather protection.*



◆ Our products: Doors

Our new Designer Door range has been developed to provide stylish and secure entrance doors to suit any home, with a rich variety of styles, configurations and hardware options.

We also have a wide range of high-quality, high-performance doors in a wealth of configurations and styles, including open-in and open-out options, as well as single, double and French doors. All these systems are available with an extensive selection of colour, glazing and hardware options to provide the perfect finishing touches and virtually limitless design possibilities.

Each door provides a strong, durable and low maintenance solution, designed to enhance the beauty of your home while keeping it light, elegant and secure.

For more information visit www.smartdesignerdoorms.co.uk





Door Panels

This new range has been developed to provide a wide variety of styles and options for our Alitherm Plus entrance doors, engineered to deliver long-life, robust performance.

With elegant good looks, the door panels are available in ten designs, two sizes and three thicknesses, each fully-insulated panel offering high security and low maintenance.



◆ *Our stylish Designer Door Panels have been engineered to deliver long-life and robust performance. As well as being low-maintenance, each panel offers high security and durability.*



Alitherm Plus

The high-quality Alitherm Plus residential doors provide elegance, durability and longevity. Featuring both single and double entrance door options, the doors are available in a broad range of formats and sizes and are suitable for a wide variety of house and apartment styles.

With added strength and multi-point locking mechanisms, the doors have been developed to deliver safety and security over a lifetime of robust performance.

Designed to make installation quick and easy, Alitherm Plus doors feature adjustable hinges and lock keeps. The doors have also been designed to make installation quick and easy.



ALITHERM PLUS
Shown above as glazed unit
Shown right with PM006T panel

*Refer to fabrication manual for correct hardware & size range to PAS24



Certified
KM 530838



Certified
BS 4873:2016



Certified
PAS 24: 2016



Certified
BS 6375



U Value
1.8W/m²K



Air
600Pa



Water
450Pa



Wind
AE1200



Sash Max Width
1000mm*



Sash Max Height
2500mm*





Certified
KM 530838

Certified
BS 4873:2016

Certified
PAS 24:2016

Certified
BS 6375

U Value
1.5W/m²K

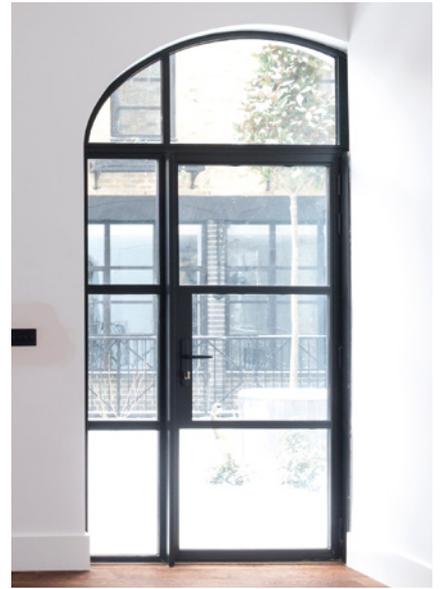
Air
600Pa

Water
450Pa

Wind
Class 2400

Sash Max Width
900mm*

Sash Max Height
2100mm*



*Refer to fabricators manual for correct hardware & size range to PAS24

Alitherm Heritage

Flexible and versatile, our Alitherm Heritage doors provide the perfect complement to the window system.

Available in single and double formats, as well as a new French door option, Alitherm Heritage doors feature the slim profiles and sight lines that are associated with traditional steel products. Also suitable for use as an internal screening system, the timeless elegance of Alitherm Heritage doors is accompanied by outstanding thermal performance.





◆ *Our extensive colour palette provides virtually unlimited choice, with options to suit every style of property.*

◆ An unrivalled range of colours

Our unrivalled range of colour options provides inspiration for all types of properties. Options range from traditional white to pastel shades of blue, through to vibrant reds and greens.

Our complete range includes our Naturals, Sensations and Alchemy collections, as well as the all new Creations range of ever-popular, vibrant colours (pillar box red, sunshine yellow etc) and the Cotswold colour palette, developed specifically to suit traditional projects in conservation areas.





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