

# MAKING YOUR DREAM HOME A REALITY













YOUR COMPLETE ALUMINIUM WINDOW, DOOR AND GLAZED LANTERN ROOF RANGE.



### Get the look you want

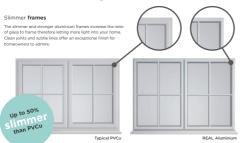
When choosing windows, doors or lantern roofs for your home you will want to choose product: which are going to look their absolute best both when installed and for many years to come.

Slim window frames are a must to maximise the amount of natural light entering your hom especially in smaller openings or where Georgian bars are fitted.

Compared to a typical PVCu window, the REAL Aluminium window frames are up to 50% slimmer, allowing the maximum amount of natural light into your home whilst giving a finer



Aluminium - designed and built to last.





### Security and safety features

It will come as no surprise that the REAL Aluminium windows and doors incorporate many security features as standard and will defend your home against the most determined intruder.

All windows and doors within the REAL Aluminium range are independently tested by BSI for critical aspects of security. Hinges, locks, handles and glazing are all checked not just once but time and time again for consistency and quality.

In addition to security, a BSI Kitemark proves a product has been tested on an ongoing basis to make sure that standards do not slip or change over time. The REAL Aluminium range has been rigorously tested, proving they keep the wind and rain at bay; an important consideration for windows and drops in the IIK\*\*

The enhanced security multi-point locking systems designed, developed and tested in the UK to deliver the highest levels of performance, offer homeowners security seed seemed for intelligence.

Each lock features a combination of hooks and anti-lift boll for greater security. Windows have added protection to strengthen hinges.

High-security hinge guards are available on all REAL. Aluminium windows and doors for added security. So, in the unlikely event of an inturder attacking the hinges rather than the locks, these devices prevent the door or window from being pushed/pulled open. This is particularly valuable on open-out doors at the hinges are on the outside.

Keep your family safe with restrictor hinges to prevent risk of falls. Allowing the window to open only partially is important for a child's room or low-level windows. These hinges have an override to allow full opening in an emergency.



\*Dependent on height and glass weight restrictions - ask your REAL retailer for detail



### Long-lasting colour

Each REAL Aluminium product is powder-costed to give one of the most durable finishes available for windows, doors and roots. The high quality colour process wort discolour, rust or peet, giving it an attractive appearance for longer. REAL Aluminium is even available with a 'marine' grade' finish for those who live near the sea.

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### **Guaranteed** to last

As a guarantee for the superior powder-coated finish of REAL Aluminium, all products from the range come with superior paint guarantees against peeling, blistering, corrosion, fading and loss of sheen.

### Quality

Choosing the right window, door or lanterr roof and the right company to install them can be a daunting experience. You can be rest assured that our products are tested to the latest British Standards and will be installed to comply with the latest UK Building Regulations.

All of our products go through a thorough quality control system that is independently audited twice a year by British Standards to ISO 9001:2008. During this process, products are independently tested to BSI Standards for weathering operformance and security levels.

All this independent testing combined with our local reputation means that all you need worry about is deciding on the look and style of your windows, doors and roofs – the performance

### **Building Regulations**

To sell your home in the future, you must be able to demonstrate that your windows, doors and roofs satisfy Building Regulations by producing a certificate of compliance either from an approved installer or your Local Authority Building Control Department.

All professionally installed REAL Aluminium windows, doors and lantern roofs comply with Building Regulations requirements for new build, replacement and refurbishment projects.





### ACHIEVE OPTIMUM ENERGY EFFICIENCY

### Making your room an all-year-round living space...

The goal is to let visible light in, whilst keeping solar heat out in the summer and radiant heat in during the winter.

Increasing comfort and offering energy savings for the ho

With energy bills rising, thermal efficiency remains the number one priority when making home improvements Loss of heat from inefficient windows, doors and roofs plays a major part in the comfort or usability of living spaces (especially orangeries and extensions) and can result in high energy costs.

Designed and engineered with performance in mind, REAL Aluminium's thermal performance allows for superior thermal efficiency. Whether renovating a living room with a bi-folding door, or building an extension with a lantern roof, you can be sure to create a comfortable living space all year round with REAL Aluminium.

### **Energy** ratings

Windows are assessed by the British Fenestration Rating Council (BFRC) and rated using a familiar A to G scale on the basis of their total energy efficiency, where an A-rated window is more energy efficient than a G-rated window. This rating covers the frame material, the frame design, the glass type and all the other components that make up the window

Energy-rating performance is calculated using the special properties of the window frame, the glass coatings, and the gasses used in the sealed glass u

Each energy-rated window will be supplied with a rating showing its energy performance and could be a valuable factor should you decide to sell your home in the future



### Thermal barrier technology

enhanced with innovative polyamide thermal barrier technology, enabling the windows and doors to exceed

The polyamide thermal barrier reduces heat loss and enhances the overall U Value of a product, allowing REAL Aluminium casement windows to achieve a Window Energy 'A' Rating when used in conjunction with the correct double- or triple-glazed unit.

The materials used in all products from the REAL Aluminium range have a very high resistance to heat transfer from the inner face of the frame to the external face of the frame, giving improved thermal efficiency

### Glass technology

Low iron glass is extra clear and allows a greater degree of solar heat gain making homes feel warmer without the need to turn the heating up

### Low-E glass

Low-E glass is a clear glass with a microscopically thin coating of a metal oxide that allows light and heat from the sun to pass into the building but at the same time reflects heat back in rather than letting it escape.

### Solar control

This intelligent glass (also known as 'anti-sun glass') reflects over 60% of the sun's solar energy, controlling the amount of heat entering the home through the glass. This is particularly advantageous for conservatories and large glazed areas such as sliding patio doors, helping to keep your home cooler in the summer.









### CASEMENT WINDOWS

From a traditional country cottage to a contemporary town house, the REAL Aluminium range of windows offers style and elegance to suit all tastes.

Ultra-slim frames allow more natural light into each living space and give the best views to the outdoors.

REAL Aluminium Windows are made to measure for your home. Each window is manufactured using the very latest technologies and processes to create the finest finish to your windows.



The exclusive super-slim window is available in a choice of two styles

### Featured Classic-al

The elegantly sculptured 'Classic-al' window represents a new era in the development of aluminium windows.

Combining the traditional appeal of timber but with slimmer sections and the trusted performance of aluminium. This exclusive REAL Aluminium design features softened lines to give a really classic look.

### Available colours:



Exterior design



Interior design

### Square Contemporary

The square-edged appearance of the 'Contemporary' window option provides clean, slim sightlines and a modern finish to any home.

Its appearance complements the REAL Bi-folding and Sliding Patio Door range.

### Available colour







Exterior design

nterior design

### Styles of window

Your REAL Aluminium retailer will help you decide which window system is most appropriate for your project and explain the differences.

### Square - Contemporary





Featured - Classical



## 15 Glass decorations For a truly traditional look, tailor your windows with REAL ALUMINIUM | CASEMENT WINDOWS



Optional easy-clean hinges let you slide your window open to one side allowing you to easily clean both sides of the glass from inside the home. These have the added benefit of opening to almost 90°, giving an unobstructed view from your room and creating an easy fire exit.

### Handles



Enhance the beauty of your home with an exterior door that combines traditional looks with all the benefits of that combines traditional looks with all the benefits of modern materials. Made from glass-reinforced polymer (GRP), REAL Aluminium Composite Doors provide leading security and insulation standards, in a made-to-measure package that is virtually maintenance free.

### Stunning aesthetics

Developed from oak tree grain, the wood grain effect finish on a REAL Composite Door creates a beautifully authentic appearance. This, complemented by the REAL aluminium door frame, forms a beautiful and

### Tailor-made

Every REAL Aluminium Composite Door is individually made to measure a perfect fit. The range includes the most popular door designs, colours and glass options to suit any home.

### Security and protection

### Fully tested

Built to last, REAL Aluminium Composite Doors are subjected to rigorous intrusion, impact, wind and rainwater tests, and manufactured to comply with recognised standards for stability, rigidity, thermal insulation and safety glazing.



### A range of **styles**

Choose from a variety of styles, colours and decorative glass options to create a distinctively beautiful look for your home. For further details of style and glass options, please refer to the REAL Aluminium Composite













### **REAL Aluminium Door Frames**

### Frame colour options

Featured Classic-al

Square Contemporary





**Colour** options Once you've chosen the style of your door, it's time to choose the colour.

Bespoke colours

## Standard colours









19 20 21 22 23 24 25 26 27 28 29 30 51 52 53 54 55 56



These stylish yet extremely practical doors create the optimum flow from your home to the garden without the need for

Glass panels either side of your REAL Aluminun French Door delivers copious amounts of light flooding into your home.

### Double locking handles

For extra peace of mind, REAL Aluminum French Doors or double doors boast extra security with

### Low threshold



### **Handles**

As with all products in the REAL Aluminium range, our entrance doors or French doors can be personalised with your choice of



### Opening restrictors

Optional opening restrictors allow you to take extra care of your open-out French doors and protect them from damage caused by the doors being blown in the wind.

\*Due to the nature of the low threshold design, it is not possible to guarantee its weather performance.

Styles and doors
Available in a Square









Single Back Doors
All single doors can open in or out, left or right, with any arrangement midrails.







French / Double Doors

All French doors can open in or out, with the master door on the left or right, with any arrangement of midrails. Below are some common French











### **BI-FOLDING** DOORS

REAL Aluminium Bi-folding Doors create superior panoramic views all year round from the comfort of your living room, kitchen, conservatory or orangery. By neatly lodding and sliding, the REAL Aluminium Bi-folding Doors allow quick and easy access to your garden.

The large panes of glass present unspoilt views of the outside and allow maximum light into your home.

manufactured bi-folding doors are easily matched to the existing style of your home and provide a smooth transition between indoor and outdoor space.

Choose from panes up to 1200mm wide and 2500mm cnoose from panes up to 1200mm wide and 2500mn high, in a choice of opening options. These can be designed to suit any opening size. Your REAL retailer will give you advice on the most suitable option for your requirement.





Bi-fold doors offer a choice of opening configurations to suit your needs:

- · Slide all doors to one side
- Create a single entrance for easy access and have the remaining doors slide the opposite way
- Part the doors centrally to create a double door







Configuration examples:















open by a round magnetic catch attached to folding doors, holding the doors open as they fold.











### **Threshold**

floor flush threshold, right the way through to a traditional step and provides maximum weather rating for extreme conditions. When a flush doorway is required - for example separating two rooms or for wheelchair access - our low

### Multi-point locking

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STREET, STREET,

Slim, strong, smooth

The high strength of aluminium ensures the REAL Aluminium Bi-folding Doors are one of the strongest available.

The REAL Aluminium Bi-folding Door frames and mechanisms are designed to give optimum strength and durability to ensure a structurally sound product that requires minimal maintenance to deliver reliable performance over a lifetime of use.

The REAL Aluminium Bi-folding Doors run on The REAL Auminium 81-rooting Doors run on stainless-steel rollers at the base of the frame. This is an important consideration as the entire weight of the bi-folding door is taken by the track and the smooth running of your doors depends on the quality of these rollers. Thanks to

these special rollers even the widest of door combinations can be opened easily without the

blinds fitted within your bi-folding doors. Your REAL Retailer can advise on the options availal

need for excessive effort.



REAL Aluminium Bi-folding Doors feature two high-security hooks and a dead-bolt to ensure total peace of mind. Upgraded locking systems are available, please speak to your REAL Retailer for details.

### Trickle vents

In certain circumstances your local Building Regulations will require you to have ventilation slots in your window or door frame to allow your home to 'breathe'. Your REAL retailer will advise you on the options and requirements.

### Handles

No matter how many handles and locks you have on your REAL Aluminium Bi-folding Doors, you only ever need to find one key as your door set has 'keyed alike' locks as standard for your convenience.

Hardware is available in a choice of finishes allowing you to tailor your doors to suit your interior.



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Create a feeling of light and space using an expanse of uninterrupted glass with

The technical design of the REAL Aluminium Sliding Patio Doors make them ideal for large-span areas and situations where bi-folding doors may not be so appropriate such as areas exposed to high winds or upper floor apartments. A Sliding Patio Door will offer you the largest uninterrupted glass area and once open doesn't take up room on a patio or balcony, or inside the home.

Made-to-measure and fitted to the highest standard, the REAL Aluminium Siding Patio Doors deliver optimum performance. Tested to the highest industry standards, REAL Aluminium Siding Patio Doors easily gilds with guaranteed relability. The storo, bernally difficient cluminum lamest create dramatic siding santew with large glast areas without compromising thermal performance or weather resistance.

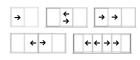
Using advanced glass technology and superior insulation to keep your home warm, the REAL Sliding Patio Doors form a thermally efficient glass facade, a wonderful way to flood a space with light and enjoy

doors are double- or triple-glazed with special sliding mechanisms to enable even the largest sashes to slide open and close smoothly on a double- or triple-track, whatever their size.

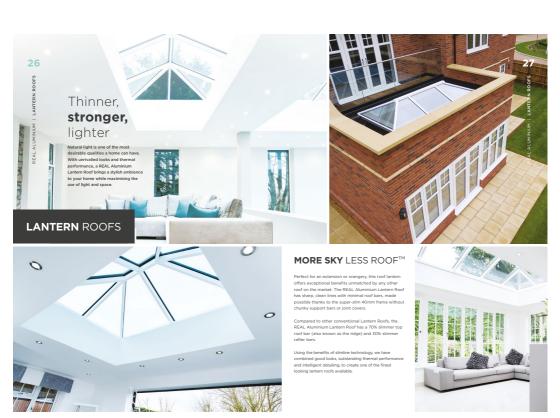
### **Handles**



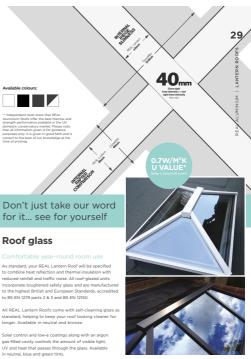
### Configuration examples:













BI-FOLDIN DOORS

SLIDING PATI

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Long lever handle





all of them (this is called 'keyed alike'). Separate doors will have unique keys unless specified. When specifying a high-security key system (3 Star System), all keys will be

Polished Gold

unique. For further details, please speak to your REAL Retailer.

Satin Silver

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Locks

Chrome

Grey

Graphite

Handles and accessories

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accessories for your home.

When creating a beautiful and stylish home, details are everything. The handles and accesse available throughout the REAL Aluminium range offer every home a matching suite of high-quality products. Use the reference chart below to discover the perfect set of handles and

White

Black

A range of locking cylinders are available to give enhanced security. Please speak to your REAL Retailer for details



## Self-cleaning glass

For those places harder to reach such as conservatory roofs or upper-floor windows self-cleaning coating is ideal. These use ultraviolet light to decompose organic materials and rain to wash them off.

You'll appreciate the special self-clean coating with a microscopic film which helps daylight and rainwater breakdown and wash away dirt and grime.

combat dirt and girme that accumulates on the outside of the window glass, resulting in the need for manual cleaning being significantly reduced. Self-cleaning glass provides the fideal solution to cleaning those hard-to-reach or dangerous areas leaving you with more time to relax and enjoy your conservatory.

Available in neutral and bronze.

# How to care for your REAL Aluminium

Aluminium is easy to keep looking great and is virtually maintenance free. Modern powder-coating delivers a hard-wearing finish which wi last for years.

With occasional cleaning and periodic lubrication of locks and hinges, aluminium windows and doors will look and operate 'as-new' for longer









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www.monmouthshireconservatorycompany.co.uk

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