

**REAL**  
ALUMINIUM

re-aluminium.co.uk



REAL ALUMINIUM

**YOUR COMPLETE ALUMINIUM  
WINDOW AND DOOR RANGE**







# WHY ALUMINIUM

Whatever the style of your home, be it traditional or modern, the **REAL Aluminium** range offers distinctive styles and designs to suit. REAL products are manufactured in the UK to current UK building standards.

Renowned for its perfect combination of light weight and high strength, aluminium is the ideal material for both sliding and bi-fold

doors, providing slim, elegant designs and outstanding performance.

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





## LOW MAINTENANCE

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

## SLIM SIGHTLINES

When choosing windows, doors or lantern roofs for your home, you will want to choose products 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 home, 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 ultra-slim appearance.



## Peace of Mind

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.

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.



**Single**  
Page 18



**French**  
Page 19



**Sliding**  
Pages 14-17



**Bi-folding**  
Pages 10-13

## ALITHERM 400 SYSTEMS

Alitherm systems provide a range of high-quality window solutions for side-hung, top-hung open out casement and Tilt and Turn windows.

Everything we do is bespoke. We can manufacture your window in a configuration that works for your home. This can include a combination of different openers and fixed frames, or a combination of both with our hybrid window.

Don't overlook our Heritage range, featured on pages 20-21!



### ALITHERM 400 MAX SIZES

Side Hung Max Sash o/a width	<b>864mm</b>
Side Hung Max Sash o/a height	<b>1400mm</b>
Top Hung Max Sash o/a width	<b>1400mm</b>
Top Hung Max Sash o/a height	<b>1500mm</b>





## ALITHERM 400

# RANGES

Our Alitherm ranges combine elegance with outstanding performance and feature products that can achieve an 'A' Window Energy Rating.

**Our ranges include:**

### 400i - now even slimmer!

The popular Alitherm 400i range is an internally beaded system with dummy sashes which can achieve PAS24 security standards.

### 400x

Our Alitherm 400x range is an externally beaded system, which can be upgraded to PAS24 security standards with the introduction of glass security clips.

### 400 Hybrid

The Alitherm 400 Hybrid combines internally glazed sashes with externally glazed fixed frames to provide a seamless and slimline appearance.



## Customise your Alitherm

Unlimited colour choice provided by any RAL colour on top of the 4 standard colours. Why not make a design statement with your colour choice?



## Special Colours

Other colours are available, including any RAL colour and even textured options.



**NEW!**



## ALITHERM 400 WINDOWS

# TILT AND TURN

Bringing together exceptional value and quality alongside top-tier performance and security, the latest addition to the Real Aluminium window and door range is the Alitherm 400 Tilt and Turn window.

This innovative variant complements the existing fixed, side-hung, and top-hung casements in the Alitherm 400 range. With its contemporary design, the Tilt and Turn unit offers the flexibility of tilting the window for ventilation or fully opening it into the room to 90 degrees. Ideal for illuminating spaces with natural light and fresh air, and for simplified cleaning tasks.

Furthermore, the system undergoes rigorous testing to meet current building regulations, surpassing requirements for weather resistance and security performance.



### TILT AND TURN MAX SIZES

Max o/a width	1200mm
Max o/a height	2100mm



## ALITHERM 400 WINDOWS

# FLUSH SASH

Real Aluminium offers Flush Sash Casement windows with various opening solutions, providing slimmer sightlines compared to PVCu alternatives.



Equipped with high security features as standard, each opening window is equipped with a lock featuring enclosing cams ensuring enhanced security.

Additionally, options such as laminated glass and the upgrade to PAS24 provide added peace of mind regarding the safety and security of your home. Featuring a completely flush finish, these windows offer sleek aesthetics when viewed externally.

The high-performance Alitherm system presents multiple options including side-hung and top-hung casements.

These flush sash casement windows are suitable for a wide array of applications, spanning residential and light commercial new-build and refurbishment projects.



### FLUSH SASH MAX SIZES

Side Hung Max Sash o/a width	864mm
Side Hung Max Sash o/a height	1400mm
Top Hung Max Sash o/a width	1400mm
Top Hung Max Sash o/a height	1500mm

## SHOULD I CHOOSE A BI-FOLD OR SLIDING DOORS?

By choosing our sliding and bi-folding doors, you will open your home to the outdoors.

Effectively opening-up an entire wall, you will not only create a relaxed feeling of light and space, but also frame the beautiful views of your garden and beyond. Suitable for installation in any room, these elegant systems add a touch of finesse and provide a striking glass façade.

Our range has been developed to provide a choice of high quality solutions. Whether you want to open up space using multi-panelled bi-folding doors (which concertina back to one or both sides of the frame), or sliding doors (comprising two or more large panels which slide open to leave the panels behind each other), we have the perfect solution.

With high-security glazing and locking mechanism (including security deadlock and hook bolts), and an unrivalled colour range to choose from (including dual-colour options), each door can be tailored to meet your own precise requirements.



### Which system will be the best for you?



#### SLIDING DOORS

If you're looking for the largest uninterrupted expanse of glass, then sliding doors are the right choice.

Seen as a more traditional option than bi-folding doors, they open and close in line, rather than encroaching on the room, and feature slim profiles with narrow frame widths.



#### BI-FOLDING DOORS

For maximum opening and requiring the minimum space, bi-folding doors are the perfect choice, offering a wide range of design and configuration options.

With slim lines and discrete hardware to maximise light, bi-folding doors also offer a great solution for smaller spaces (two metres or less). They can incorporate a 'traditional' door, which can be used as a conventional back door.





## FULLY CUSTOMISABLE

Your home, your doors - with all the little details, just as you want them.

Specify your preferred system, overall size, number of doors, configuration, internal and external colour, your preferred threshold option, whether you want the doors to open in or out, handle style and colour.



## OUTSIDE INSIDE

The doors allow a flow of natural light to stream in, helping provide a new transitional way of living and changing the way you interact with your outside world.



## VARIOUS CONFIGURATIONS

Your door can be specified from one through to seven door panels.

Bi-folding doors feature multiple door panels which concertina to one or to both sides of the frame and sliding doors open and close in line, with the large door panels stacked one behind the other.



VISOFOLD

# BI-FOLDING DOOR

Visofold's flexibility makes it the ideal choice for projects where large, uninterrupted openings are required, with the system providing maximum light and space to give unimpeded views.







## THERMAL PERFORMANCE

All Visofold profiles feature a thermal break to deliver enhanced thermal performance and energy efficiency. Security is assured by multipoint locking mechanisms on the main opening panel and shootbolt locks on the 'floating' mullions. The doors can have either a low threshold for unimpeded access and water resistance, or a rebated threshold for improved weather resistance.





VISOFOLD

# BI-FOLDING DOOR



## Colour Options...

We have 4 standard colour options, black, white and grey.

Standard Colour Options:



Other colours are available, including any RAL colour and even textured options.

## Visofold 1000 Slim

The Visofold 1000 Slim features slimmer sightlines than its predecessor. The Visofold 1000 slim frames have been reduced by 10mm to 122mm, to make the glazing area even larger, an important consideration for projects both large and small.

Our Visofold profile available in a square edge option and is fabricated using mitred corners.

Our bi-folding doors also come with 3\* cylinders as standard - the highest grade of lock available.

## Accessory Options:



Lever Straight Handle



Locking Pop Up Handle



D Handle



Magnetic Catch



THE NEW

# FLUSH FITTING TRICKLE VENT

Fresher, cleaner indoor air

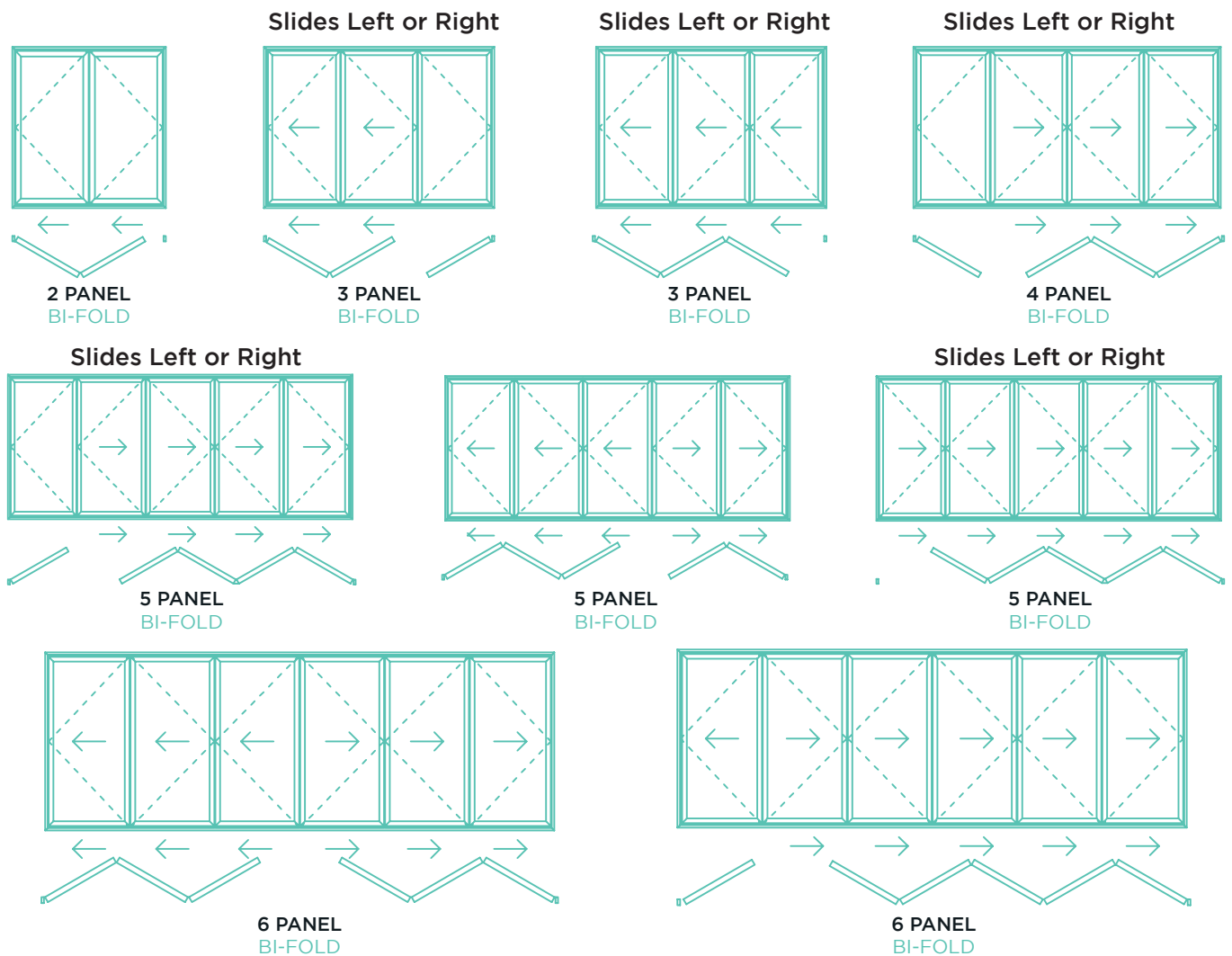
The bi-fold flush fitting trickle vent is a modern, and stylish ABS ventilator with a simple vent adjustment to manage airflow into the property and has been specifically designed to fit into bi-folding doors.

It is fitted into the bi-fold for a discreet appearance complementing the overall finish of the product.



## VISO FOLD BI-FOLDING DOORS CONFIGURATIONS

Visofold doors can be folded internally or externally and with the opening at the side (so the leaves all fold one way), at one end (to create a single entrance door) or in the middle (to give the option of a double door).



### BI-FOLD DOOR MAX SIZES

Widths	1.5m	1.8m	2.3m	2.5m	3.0m	3.3m	3.6m	3.7m	3.9m	4.3m	4.9m	5.0m	5.4m	5.8m	6.0m	6.6m	7.3m	7.5m	7.8m	8.5m
2 Door	Optimum	Optimum	Optimum	Wide																
3 Door			Optimum	Optimum	Optimum	Optimum	Optimum	Optimum	Optimum	Optimum	Wide									
4 Door					Optimum	Optimum	Optimum	Optimum	Optimum	Optimum	Optimum	Optimum	Optimum	Optimum	Optimum	Wide				
5 Door										Optimum	Optimum	Optimum	Optimum	Optimum	Optimum	Optimum	Optimum	Optimum	Optimum	Wide
6 Door											Optimum	Optimum	Optimum	Optimum	Optimum	Optimum	Optimum	Optimum	Optimum	Optimum
7 Door												Optimum	Optimum	Optimum	Optimum	Optimum	Optimum	Optimum	Optimum	Optimum

- Narrow Opening
- Optimum Opening
- Wide Opening

Max height 2.5m and max weight 100kg per leaf. Chart is for guidance and depends on glass specifications.

VISOGLIDE PLUS

# SLIDING PATIO DOORS

Create a feeling of light and space using an expanse of uninterrupted glass with the REAL Aluminium Sliding Patio Doors.









## VISOGLIDE PLUS

# SLIDING PATIO DOORS

The design of the REAL Aluminium Sliding Patio Doors make them ideal for large-span areas and situations where bi-folding doors may take up too much floor space. 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.

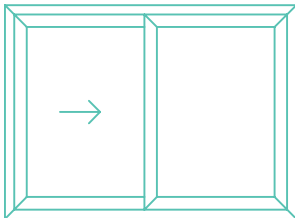
REAL Sliding Patio Doors deliver optimum performance. Tested to the highest industry standards. Our aluminium Sliding Patio Doors easily glide with guaranteed reliability.

Employing advanced glass technology and superior insulation, REAL Sliding Patio Doors provide thermal efficiency, beautifully flooding your space with light while allowing you to enjoy the views.

## SLIDING DOORS CONFIGURATIONS

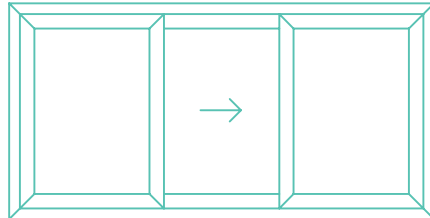
Offered in configurations of two, three, four, or six panels, our patio doors are equipped with either double-glazed or triple-glazed glass. They feature double-track or triple-track systems, incorporating specialised sliding mechanisms that ensure effortless opening and closing of even the largest sashes.

Slides Left or Right



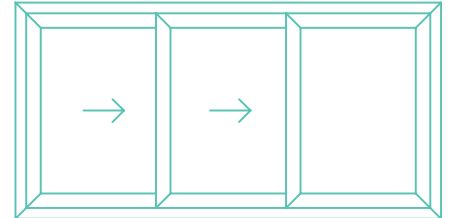
2 PANEL  
SLIDING

Slides Left or Right

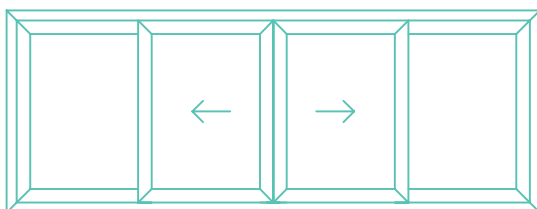


3 PANEL  
SLIDING

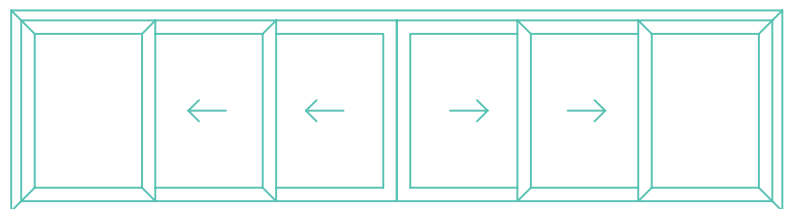
Slides Left or Right



3 PANEL  
SLIDING



4 PANEL  
SLIDING



6 PANEL  
SLIDING





**SLIDING DOOR MAX SIZES**

Max o/a height per sash	<b>2500mm</b>
Max Sash weight	<b>200kg</b>

**Accessory Options:**

**Colour Options...**

We have 4 standard colour options, black, white and grey.

**Standard Colour Options:**



Other colours are available, including any RAL colour and even textured options.



**Long Lever Handle**



**Sliding Door D Handle**





## ALUMINIUM

# RESIDENTIAL DOORS

Suitable for both residential and commercial applications, our aluminium doors perfectly complement our window range, offering the same stylish lines and same ease of operation. With unrivalled thermal performance and security assurance, our doors are available as open-in or open-out, single or double doors.

Tap in bead is standard on internally glazed doors with 28mm double glazing.



### ALITHERM DOOR MAX SIZES

Max o/a height per sash	<b>2400mm</b>
Max o/a width per sash	<b>1100mm</b>



## ALUMINIUM

# FRENCH DOORS

These stylish yet extremely practical doors create the optimum flow from your home to the garden without the need for a large aperture. Glass panels either side of your REAL Aluminium French Doors delivers copious amounts of light flooding into your home.

REAL Aluminium French Doors or double doors boast extra security with multipoint locking handles.

An optional low threshold is great for doors which are used regularly and creates a flush appearance due to its minimal step over.



### Accessory Options:



Lever Straight Handle

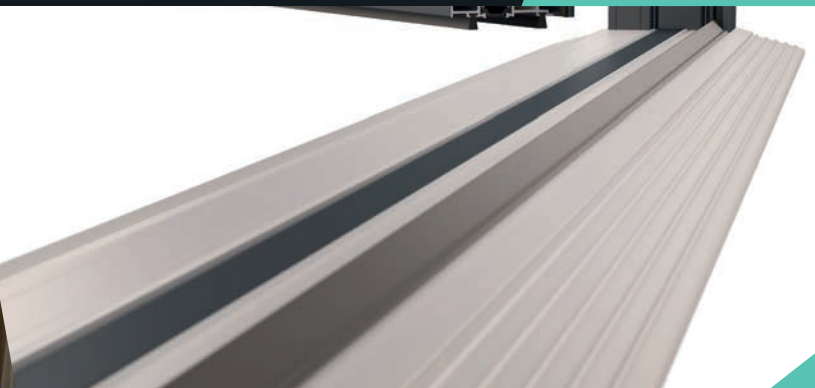
### Colour Options

Add a personal touch to your new French or Residential Doors with our selection of colour options.

#### Standard Colour Options:



Other colours are available, including any RAL colour and even textured options.





**NEW!**

## INTRODUCING **HERITAGE**

The Alitherm Heritage range was designed to meet the requirements of refurbishment and renewal projects, particularly in sensitive planning areas. Ideal for Victorian and Art Deco projects, the range of commercial and residential windows and balcony doors are already proven in a wide range of renovation, refurbishment and heritage projects across the UK.

Providing a modern, like-for-like replacement for traditional 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 U value or energy rating that meets the current building regulations.





# HERITAGE DOORS

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 traditional single point lock mechanism as well as face-mounted finger thrown locking bolts.

Both the window and door systems deliver a U value or energy rating that meets current building regulations, when installed with a suitable double glazed unit, and are available in either single or dual polyester powder coated finishes.

## Customise your Heritage

Choose from a variety of colour options to truly personalise your home to your taste.

Square Profile Colour Options:

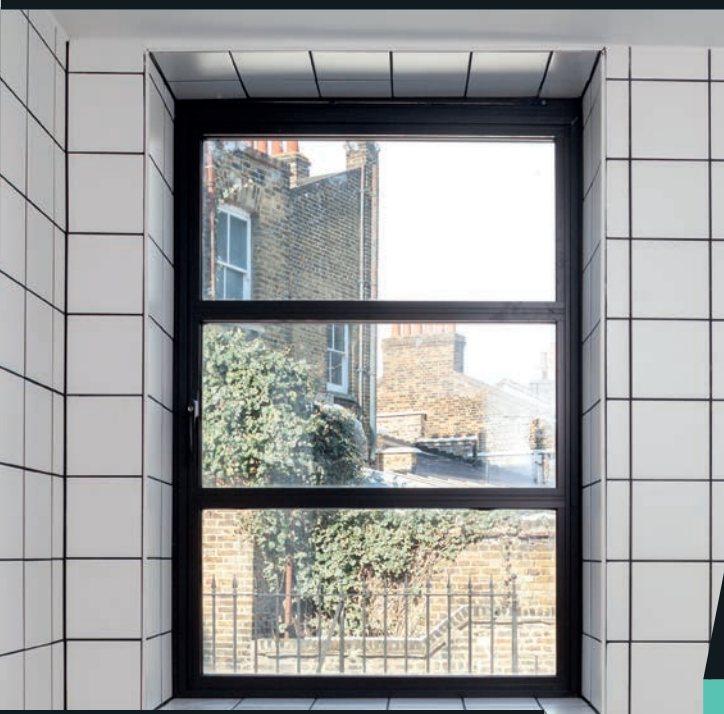


Other colours are available, including any RAL colour and even textured options.



### DOOR MAX SIZES

Max o/a height per sash	2100mm
Max o/a width per sash	900mm



# HERITAGE WINDOWS

Featuring slim, thermally-broken profiles, Alitherm Heritage windows are available in a number of formats, including fixed-panel, sash, top-hung and side-hung casements. These different options may be installed in a combination of horizontal modules, which are stacked using our coupling options to form a multi-part window.

## Accessory Options:



Lever Straight Handle



Offset Window Handle



Monkey Tail Window Handle

### WINDOW MAX SIZES

Side Hung Max Sash o/a width	600mm
Side Hung Max Sash o/a height	1400mm
Top Hung Max Sash o/a width	1400mm
Top Hung Max Sash o/a height	1400mm

## ALUMINIUM

# DESIGNER DOORS

Safety and security were central to each design decision in the development of the new Designer Door range, with each door meeting the requirements of PAS24.

Our extensive Designer Door collection features an impressive array of designs and styles, from the cutting edge of minimalist chic in our Modern range to the timeless elegance of our Traditional, Cottage and Vintage portfolios. We have also put together a wide range of colour, glazing and hardware options to provide those all-important finishing touches for your new door.

Select the perfect colour combination for the inside and outside of your Designer Door, with options ranging from traditional white to pastel shades of blue and from greys and blacks through to vibrant reds and greens. With this huge selection, you can choose to match an existing colour, or to make a real design statement with a striking contrast.



SHERBOURNE



OXFORD



AMERSHAM









BROADSTONE

## Guaranteed Performance

- \* Elegant aluminium profiles provide strength and durability
- \* All glazing units are 60mm triple glazed and laminated for added protection and comfort
- \* The integrated weather bar and centre gaskets provide excellent weather protection
- \* Our doors require minimal maintenance and deliver outstanding, long-life performance

## DESIGNER DOORS

-  10-point locking for high security
-  Hardened stainless steel and picking protection pins provide tamper-protection
-  Horizontal key has a cross groove in the core which can only align with the 10-point spring-loaded pin pairs within the lock

-  Dogbolts/additional security points on the hinge side
-  Adjustable hinges and lock
-  Successfully tested to PAS24 Enhanced Security Performance



## ALUMINIUM

# SIGNATURE DOORS

Discover our Signature Doors: stylish, secure, and great value for the modern family. With sleek aluminium designs that offer beauty, safety, durability, and low maintenance, our range enhances any home. From contemporary chic to timeless elegance, find the perfect front or back door in our Signature Door collection. Experience the ultimate combination of style and security with our exquisite Signature Doors.



BROADFIELD



CARNABY



### HIGH SECURITY

Our doors exceed the requirements of PAS24 testing and come with market leading locking mechanisms



### COLOUR MATCHED

Single colour frame and door leaf with colour-matched weather bar.



### GLAZING

Glazing comes in clear or satin glass units.



HARLEY



LANSDOWN



MILLBROOK



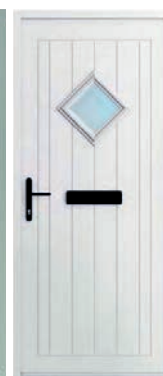
PORTOBELLO



WOODCHESTER



ABBEY Square



ABBEY Diamond



ABBEY Rectangle



ABBEY Solid





## DETAILS

### FINISHING TOUCHES

REAL Aluminium doors that have more than one lock will only require one key to operate all of them (this is called 'keyed alike'). Separate doors will have unique keys unless specified. Alitherm 400 doors have a high-security key system (3 Star System) as standard. With our standard high-security key system (3 Star System), all keys will be unique. For further details, please speak to your REAL Retailer.



### OUR GUARANTEES





REAL

# ACCREDITATIONS

Choosing the right window or door 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. During this process, products are independently tested to BSI Standards for weathering performance and security levels.



Energy-rated windows tested and certified by the British Fenestration Rating Council



BS 4873 Aluminium Window Fabricator BS 4873 / PAS24 Enhanced Security Aluminium Window Fabricator BS 4873 / PAS24 Enhanced Security Aluminium Door Fabricator



Aluminium is infinitely recyclable, and when recycled uses just 5% of the total energy needed to produce frames from scratch.



## 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.



## Technical Document Legislation

All **REAL** aluminium systems are designed to be technically advanced, both in structure and installation. Which is why, if you need any information regarding any of our systems, you can download the relevant datasheets, technical manuals, technical bulletins, DWG files, specification clauses and 'how-to' guides from our website [re-aluminium.co.uk](http://re-aluminium.co.uk).

Alternatively, simply contact our Customer Service team on **01453 826884**, who will be able to help you.

## TURN YOUR PROJECT, INTO A REALITY

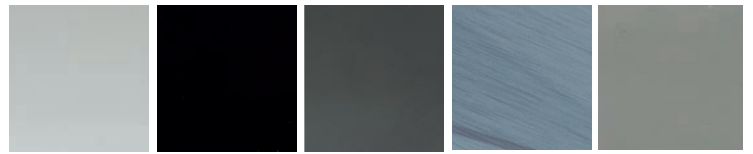
For more information, or to make your next project a **REAL** project, visit us at [re-aluminium.co.uk](http://re-aluminium.co.uk)






























## HANDLES &

# ACCESSORIES

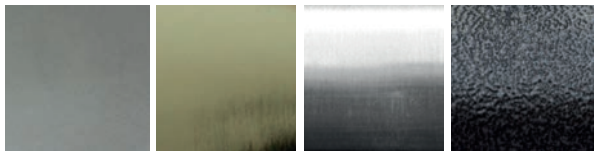
Use the reference chart below to discover the perfect set of handles and accessories for your home.



		White	Black	Grey	Graphite	Chrome
BI-FOLDING DOORS	Lever (straight) handle 	✓	✓	✓	✓	✓
	Locking pop up handle 	✓	✓	✓		
	D handle 	✓	✓	✓		
	Magnetic catch 	✓	✓	✓		✓
	Slimline trickle vents 	✓	✓	✓		
	Trickle vents 	✓	✓	✓		
SLIDING PATIO DOORS	Long lever handle 	✓	✓	✓		
	Sliding Door D handle 	✓	✓	✓		
CASEMENT WINDOWS	Offset handle 	✓	✓	✓	✓	✓
	Monkey tail handle 					
TILT AND TURN WINDOWS	Tilt and turn handle 	✓	✓			✓
ENTRANCE & FRENCH DOORS	Lever (straight) handle 	✓	✓	✓	✓	✓
	Letterplate (black ABS surround) 	✓	✓			✓
	Letterplate (matching surround) 	✓	✓		✓	✓
ALUMINIUM COMPOSITE DOORS	Lever (Ergonomic) handle 					
	Lever (Mitre) handle 					
	Lever (T Bar) handle 					
	Pull Knob 				✓	✓
	Inline Round Pull Bar 					
	Flush Escutcheon 					✓
	Pull Escutcheon 		✓		✓	✓
	Letterplate 				✓	✓
	Knocker (Urn) 					✓
	Knocker (Bullring) 				✓	✓
	Knocker (architectural) 				✓	✓
	Knocker (Horse Tail) 					✓
	Spyhole 					✓

A range of locking cylinders are available to give enhanced security on bi-fold and sliding doors. **Please speak to your REAL retailer for details.**





Satin Silver

Polished Gold

Stainless Steel

Antique Black



✓			
✓*			
✓			
✓	✓		
			✓
✓	✓		
✓	✓		
✓	✓		
		✓	
		✓	
		✓	
	✓		
		✓	
	✓	✓	
	✓		



Lever (straight) handle - Bi-fold

Lever (straight) handle - Single & Double

D handle

D handle - Sliding Door



Offset handle



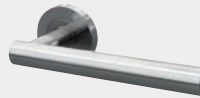
Tilt and turn handle



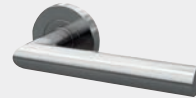
Locking pop up handle



Long lever handle



T Bar Lever Handle



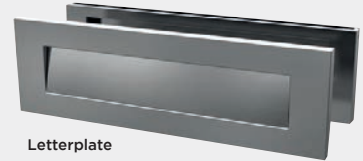
Mitre Lever Handle



Ergonomic Lever Handle



Round Pull Bar



Letterplate



Bull Ring Knocker



Knocker 6" Urn Knocker



Horse Tail Knocker



Architectural Knocker



Pull Knob



Flush Mount Escutcheon



Pull Escutcheon



Spy Hole

Antique black range



Monkey Tail Handle



Lever Straight Handle



Letterplate

\*silver anodised SAA



# REAL

ALUMINIUM

**REAL Aluminium**  
Newton Centre, Brunel Way,  
Stroudwater Business Park,  
Stonehouse, GL10 3SW

[www.re-aluminium.co.uk](http://www.re-aluminium.co.uk)

01453 826884

[enquiries@real-aluminium.co.uk](mailto:enquiries@real-aluminium.co.uk)

V1 - JUNE 2024

Part of the  
 **Customade Group**

[www.customade.co.uk](http://www.customade.co.uk)