

ALUMINIUM MADE EASY



Your complete aluminium window, door and glazed lantern roof range.



www.real-aluminium.co.uk

REAL
ALUMINIUM

products on a
2-week
turnaround

um fabricates a
e range of
estration products
ic installations,
using profiles and
eld in stock at the
ory in
e.

ofiles and long-lasting
d finish, REAL Aluminium
i aluminium products. That
windows, bi-folding
, residential doors,
n glazed roof solutions.

4?
Y AS
AY...

immediate via pricing tools

Delivery - 2 weeks*

*From sign off/next delivery date
Astragal bar products and roof vents = 3 weeks
Grey exterior and white interior = 2 weeks
Composite door bespoke colours = 3 weeks

COLOUR OPTIONS ✓

White, Black, Grey,
Grey Exterior/White Interior

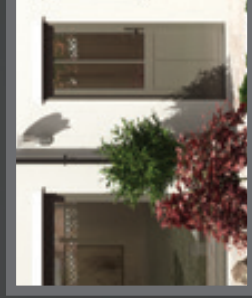
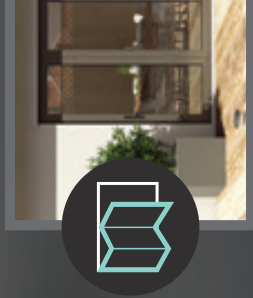
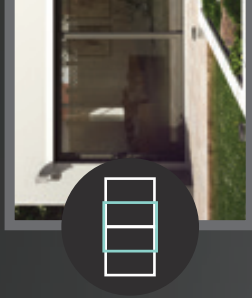
OUR PROFILES ✓

The REAL Aluminium range of products provide a full solution for any aluminium installation with a choice of contemporary or traditional styles.

Window, residential door and French door options include 'Square', our standard profile-style window or 'Featured', a more traditional profile replicating the ovolo style of a traditional timber window.

For Profile Charts and Assembly Charts

Each and every product within the REAL Aluminium range is manufactured to profile and components. Should requirements for replacements or these can be turned around in 1 week to 3 weeks or more for non-stock



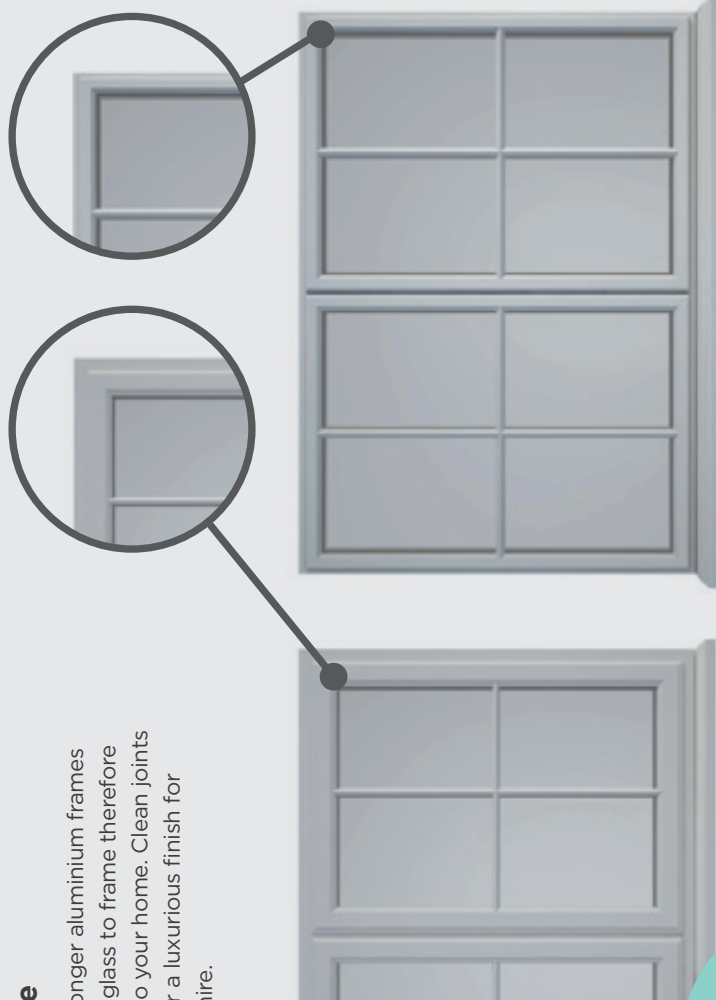
aluminium?

There are a number of reasons to choose aluminium for your home. Homeowners are increasingly aware of the benefits of a stronger material and aluminium is proven and built to last.

Improvements to aesthetics and thermal performance differentiate today's aluminium products from those of the eighties and nineties.

Aluminium is the preferred product of discerning architects...why would discerning homeowners choose anything else? Whatever the taste or style of your home, the REAL Aluminium range offers distinctive styles and designs to suit.

Longer aluminium frames allow for larger glass to frame therefore more light into your home. Clean joints for a luxurious finish for your home.



Typical PVCu

REAL Aluminium

Thermally efficient

The REAL Aluminium range is enhanced with polyamide thermal barrier technology, enabling the windows and doors to exceed the energy performance requirements of current Building Regulations.

Profiles 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 superior thermal efficiency and reduced condensation.

The roof frame is the most thermally efficient in the UK domestic conservatory market.

Long-lasting colour

Powder-coated aluminium is one of the most durable finishes available for windows and doors. It won't discolour, rust or peel, giving it a long-lasting, attractive appearance.

All aluminium products from the REAL Aluminium range come with superior guarantees. This guarantee covers the powder-coating against the following faults:

- peeling, powdering and blistering
- corrosion
- chalking, fading and loss of sheen

Refer to the Care & Maintenance Instructions for guarantee exclusions: www.real-aluminium.co.uk



High strength

Aluminium, by its very nature, is stronger than PVCu and does not require reinforcements.

The superior strength of aluminium allows for slimline arrangements which are only possible with PVCu when using bulky profile reinforcements. Most PVCu bi-folds can only accommodate 1200mm sashes; the REAL Aluminium range can accommodate 1200mm sashes.

Ease of maintenance

Aluminium is easy to keep clean and is virtually maintenance free. Powder-coating delivers a high quality finish which will last for years.

With occasional cleaning and lubrication of locks and hinges, aluminium doors will look and operate as well as when first installed.



Refer to the Care & Maintenance Instructions for exclusions: www.real-aluminium.co.uk

Better functionality

Aluminium is a durable substance. Windows and doors made from aluminium will continue to open and slide smoothly for many years.

Environmentally friendly

Aluminium is infinitely recyclable. Recycling aluminium uses just 5% of the energy needed to produce frames from virgin material.

Energy compliance, Ratings (WER) Ratings (DER)



Building Regulations is a vital part of any building project and can sometimes be complex.

Meeting the requirements of Part L of Building Regulations, is easy as the entire house is installed with a double-glazed unit and a solar gain of 0.71 or better and an Edgetech Super Spacer Bar

All REAL Casement Windows achieve an 'A'-rating if the aforementioned glass unit is upgraded to low-iron glass. The thermal efficiency of the REAL Aluminium range can be enhanced further by using higher-performance double-glazed or triple-glazed units.

WER, DER & U Values

Double-glazed unit - 28mm/Softcoat/Argon/Superspacer			Triple-glazed unit - 36mm/32mm/Softcoat/Argon/Superspacer		
Low-iron			Low-iron		
Float	Low-iron	Low-iron	Float	Low-iron	Low-iron
1.2	1.2	0.74	0.8 (36mm)	0.9 (32mm)	0.9 (32mm)
0.71	0.74	0.62	0.62	0.64	0.64
WER/DER	U-Value	WER/DER	U-Value	WER/DER	U-Value
B (-4)	1.6	A (+1)	1.6	n/a	n/a
B (-3)	1.6	A (+1)	1.6	A (+0)	1.4 (36mm)
B (-2)	1.6	A (+2)	1.6	B (-0)	1.4 (36mm)
n/a	1.7	n/a	1.7	n/a	1.4 (36mm)
n/a	1.8	n/a	1.8	n/a	1.4 (36mm)
E	1.8	E	1.8	C	1.5 (32mm)
E	1.9	E	1.9	C	1.6 (32mm)

doors to satisfy **either** a U Value of 1.8 **or** lower or a DER of E or better. windows to satisfy **either** a U Value of 1.6 **or** lower or a WER of C or better. ducts when used in conjunction with the glass specifications above satisfy Part L for refurbishment and new-build applications.

glass will not improve U Values but will improve WER/DER rating due toazing will improve U Values but due to reduced solar gain has limited effect

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

Suitable for all property types from traditional cottages to contemporary town houses.



WINDOWS

Windows range offers ultimate flexibility in combinations of top-hung sashes, side-hung sashes and fixed lights available that are suitable for any installation.

Our windows utilise innovative polyamide thermal break technology as a barrier between the cold air outside and the warm air inside. This technology significantly reduces thermal transmittance (U Value) of a product, allowing REAL Aluminium windows to achieve a Window Energy 'A' Rating when used in double- or triple-glazed units.

Available within the REAL Aluminium range: **Square**, **Classic** or **Featured**, a more traditional profile replicating the look of a traditional timber window. Both options are available in double- or triple-glazed.



ELEGANT, SLIM SIGHTLINE - Up to 50% slimmer than PVCu

The square range provides a contemporary window that provides clean, slim sightlines and a modern finish to any home.

System	Smart Architectural Aluminium - modified 70mm Alitherm 300
Finish	Polyester powder coated
WER	up to A-rating using suitable double-glazed unit
U Value	up to 1.4 w/m²k using suitable triple-glazed unit
Locking system	Espag locking
Frame depth	70mm
Typical sightline	67mm
SH Max o/a width	700mm
SH Max o/a height	1400mm
TH Max o/a width	1400mm
TH Max o/a height	1300mm
Glazing	28mm double- or triple-glazed or 36mm triple-glazed

Available colours:

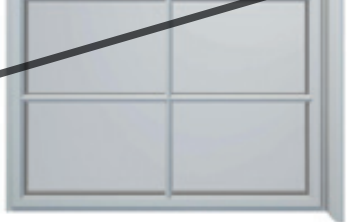


White



Black

Grey



Available colours:



White

FEATURED - CLASSIC-AL EXCLUSIVE TO REAL ALUMINIUM

The elegant sculptured featured profile of a Classic-al window closely resembles the traditional look of timber windows with slim sightlines giving an increased glass area, bringing more light into the home.

System options	Smart Architectural Aluminium - modified 70mm Alitherm 300
Finish	Polyester powder coated
WER	up to A-rating using suitable double-glazed unit
U Value	up to 1.4 w/m²k using suitable triple-glazed unit
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Glazing	28mm double- or triple-glazed or 36mm triple-glazed



Full range of couplers, bay poles and add-ons available from stock

E DOORS

home with Virtuoso composite doors, brought combining market-leading designs with modern made-to-measure door that performs as good as it nance free too.

ce

ose from, there's sure to be the right door for mited by texture with Virtuoso; choose from a in finish or a ground-breaking aluminium effect to me.

Crafted Precision

itting-edge precision engineering and a workshop means Virtuoso composite doors have incredible and unrivalled quality. Each door is crafted to you.

ire

ed with security in mind. Each and every door has and is PAS24 compliant.

acoustic performance

improve the efficiency of your home with advanced e and the ultimate thermal technology to retain the cold out.

rt Architectural Aluminium -
lified 70mm Alitherm 300
posite Door - Virtuoso Doors

frame - Polyester powder coated

- GRP with either authentic woodgrain or aluminium

t texture

-point lock

mm

mm

le- & Triple-Glazed options available

uoso Doors Composite Collection brochure & technical guide

uminium Door Frames

um range, the Virtuoso composite door will sit securely within a **REAL Aluminium door frame**. The ble in two REAL Aluminium styles which feature on the REAL Aluminium Window pages:

Square Contemporary

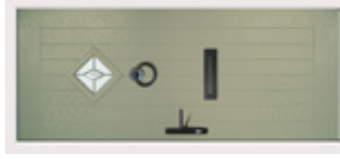
Available
colours:

Available
colours:

Choose from a variety of styles, colours and decorative glass options to create a distinctively beautiful look for your home. For the full collection of door styles and glass options, please refer to the Virtuoso composite door brochure.



Traditional



Cottage



Contemporary



Stable Doors



French Doors



Virtu-AL

The ultimate aluminium doors.

Combining qualities of with the sle aluminium e fast becoming product of f

Accessories

A full range of door furniture is available to complement the finishes, including letter boxes, numerals and decorative knockers incorporating spy holes. For handle colour options, see page 20-21.

Colour options

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

Standard colours



White



Black



Red



Blue



Green

Superior colours



1



2



3



4



5



6



7



8



9



10



11



12



13



14

AL OR FRENCH DOORS

ong and durable aluminium residential or French doors enhance the keep in the warmth and let in more light due to their slim sightlines.



REAL Aluminium Residential or French Door is a t suitable for use in high traffic or exposed areas ble door is required. Available as single or double beading. Adjustable hinges, colour-matched flat make the REAL Aluminium Residential Doors a me.

Peace of mind is ensured with the inclusion of an enhanced security multi-point locking system on double doors. Security can be further enhanced with additional shootbolts.

All main sections feature an extended Polyamide thermal break that allows the residential doors from the REAL range to achieve a U Value of 1.8 W/m²K when installed with a suitable double-glazed sealed unit.

System	Smart Architectural Aluminium - Alitherm Plus
U Value	up to 1.6 w/m ² k using a suitable triple-glazed unit
Security	Multi-point locking
Max height	2400mm
Max width	900mm
Max weight	80kg
Glazing	28mm double- or triple-glazed or 36mm triple-glazed 24mm double-glazed units where bevelled astragal bar specified



Available colours:

Square Profile:

White

Featured Profile:

BI-FOLDING DOORS

Bi-folding Doors create a true sense of space and light.



From any home, not only offer slim quality running so enhanced ce.

Amide thermal break which formance of the profile U Value. Profiles feature s and weather brushes comply with the requirements of ment L 2010. Security is assured isms on main opening sashes, oating mullions.

n the REAL Aluminium range low thresholds for unimpeded, ocsholds that offer improved



Bi-folding doors offer a choice of opening configurations to suit any application. Choose to fold the sashes internally or externally, place the opening at the side so the sashes all fold one way, at one end, to create a single entrance door for easy access, or in the middle to give the option of a double door.

Configuration examples:



System	Smart Architectural Aluminium – Visofold 1000
Finish	Polyester powder coated
U Value	up to 1.4 w/m²k using suitable triple-glazed unit
Security tested	PAS 24: 2012 enhanced security-rated doors on a three-pane open-out door
Weather tested	BS 6375 Part 1: 2009
Security	Multi-point locking with shootbolt
Frame depth	70mm
Typical sight line	133mm
Max sash weight	100kg
Max o/a height (per sash)	2500mm
Max o/a width (per sash)	1200mm*
Glazing	28mm double- or triple-glazed or 36mm triple-glazed

*provided sash does not exceed recommended weight limits

Available colours:



DOORS

Sliding Door adds eye-catching impact to the exterior of a home. Its bold appearance focuses on stunning glass areas, highlighted by bold lines styled with clean aesthetic lines that work in harmony with the home.



Performance and tested to the highest standards, Sliding Doors guarantee reliability. Broken aluminium sections make large glass areas possible without compromise or weather resistance.

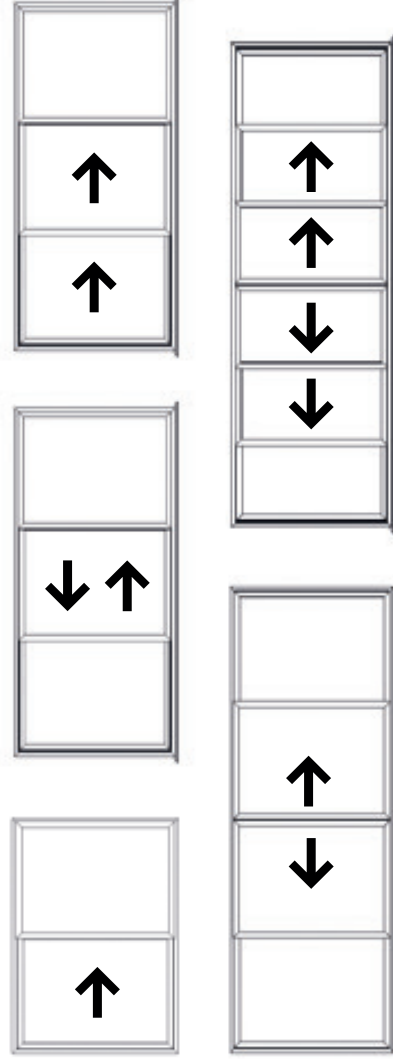
To enable even the largest sashes to fit over the size. Each sliding panel is designed to open and when closed these large sections feature an extended Polyamide thermal break that

This adaptable system is ideal for use as residential sliding doors that maximise light and give stunning unimpeded views or as sliding commercial entrances where large opening apertures are required. A slim interlock option and flush stacking capability extends views and opens apertures even further.

REAL Aluminium Sliding Door profiles have been designed to improve both strength and weather resistance. All main sections feature an extended Polyamide thermal break that



Configuration examples:



System	Smart Architectural Aluminium – Visoglide Plus			Available
Finish	Polyester powder coated			
U Value	up to 1.5 w/m ² k using a suitable triple-glazed unit			White
Security	Multi-point locking plus individual keeps			
Frame depth	99mm or 126mm double track 165.5mm or 182.5mm triple track			
Max sash weight	200kg			
Max sash height	2500mm			
Max sash width	Within above limitations			

ROOFS

an existing roof or building a new extension, Glazed Roof is a great way to bring natural light into a room.



REAL Contemporary Lantern

REAL Flat Rooflight

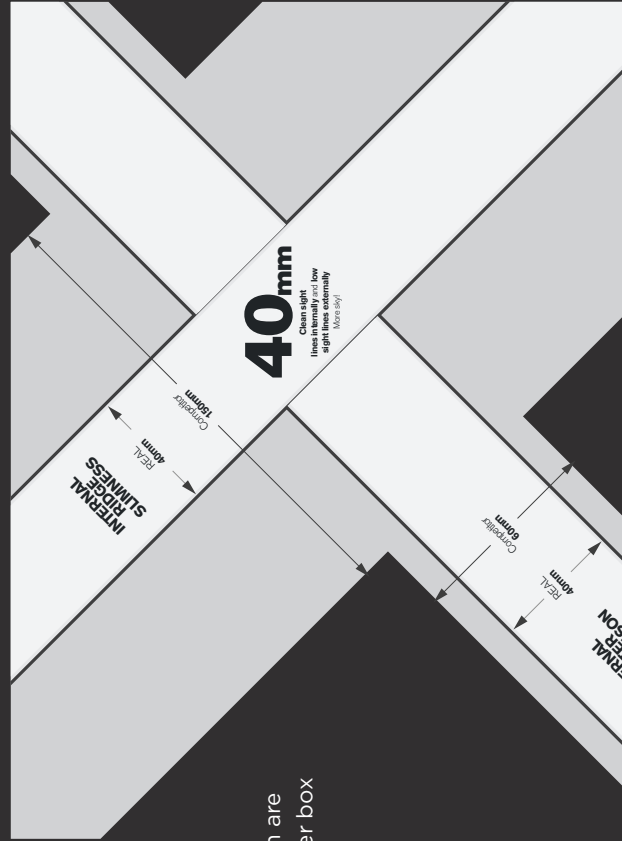


REAL Lantern

Additional benefits over other roof

Minimum intrusion are over-slim 40mm rafter box

Highly efficient
Energy**
of system**
design with



System	REAL Lanterns
Finish	Polyester powder coated
U Value (rafter)	Up to 1.5 w/m ² k (double-glazed) Up to 0.95 w/m ² k (triple-glazed)
Rafter width	40mm
Ridge width	40mm
Roof pitch	25 degrees
Tie bars (dependent on design)	Up to 2500mm wide - no tie bar Up to 3800mm wide - hidden Up to 5000mm - box
Glazing	24mm double or 44mm triple-glazed*

*Roof vents only available on double-glazed roofs

Roof vents

Single roof vents have been designed to match the roof's ultra-slim appearance and are ideally positioned for ventilation.

System	REAL Flat Rooflight
Finish	Polyester
U Value (glazing & frame)	1.3 w/m ² k
U Value (glazing)	1.0 w/m ² k
Glazing	6mm/16mm
Minimum Size	400 x 40
Maximum Size	1200 x 25
Maximum Square Size	1400 x 14

Available colours:



To retain thermal efficiency and reduce heat loss, the REAL Flat Rooflight is made up of an aluminium inner frame as standard.

DEAL Aluminum doors that have more th

lock will only require one key to operate (this is called 'keyed alike'). Separate door unique keys unless specified. When specifying a high-security key system (3 Star System) be unique. For further details, please speak to your REAL Retailer.

ium products
are available
aluminium

9 stock range which is available on
time. Other aluminium products
available to buy from REAL
aluminium lead times (6-8 weeks).

TOMADE UP

Customade Group is the UK's largest manufacturer of PVCu and
aluminium windows and doors, composite doors, aluminium
glazed roof products, sealed glass units and specialist glazing.

As a leading fabricator of Smart Architectural Aluminium,
REAL Aluminium and its sister companies, Atlas Glazed Roof
Solutions and Virtuoso Doors, are experts in fabricating high-
end fenestration products for the trade.



- ✓ Easy Pricing
- ✓ Easy Quoting
- ✓ Easy Choices
- ✓ Quick Delivery
- ✓ Quick Quoting



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