MAKING YOUR DREAM HOME A REALITY













YOUR COMPLETE ALUMINIUM WINDOW, DOOR AND GLAZED ROOF RANGE.



REAL

Improvements to aesthetics and therma. p. r.ormance distribute today's aluminium products from those of the eighties and nineties. You only have to ook around to notive that sll. I aluminium is fast becoming the 'product of choire for windows, doors and roofs.

You, choice of windown and doors will transform your home or building project and represents an important investment. .. uminium is the pre errod materia' of a tute archite its looking for longevity, per.ormance, goou looks and superb li.e time value .or money.. why would you, as a discerning nomeowner, cnoose anything else's

w hatever the siyle of your home be it traditiona' or modern the RLAL A uminium runge orrers distinctive styles and designs to suit.

YOUR COMPLETE ALUMINIUM WINDOW, DOOR AND GLAZED ROOF RANGE.



Get the look you want

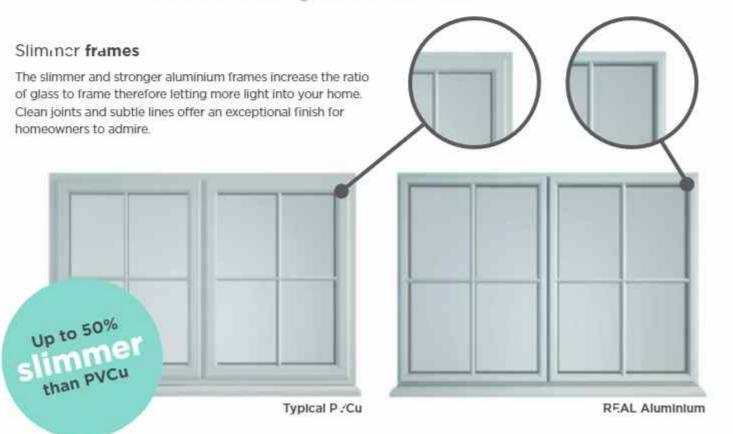
When choosing windows, doors or lan ern roofs for your home you will mant to choose products which are going to look their absolute pest both when installed and for many years to come.

Slim Indow frames are a music to maximise the undust of natural light entering your homes becally in smaller openings or where Eleorgian bars are titted.

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.



Aluminium - designed and built to .ast.





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 cuality.

in addition to securit, a Bal 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 doors in the UK.*

The enhanced security multi-point locking systems designed, de:eloped and tested in the 'JK to deliver the highest levels of performance, of er homeowners security and peace of mind.

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

High-security hinge guards are available on all "EA".

Aluminium windows and doors for added security. So, in the unlikely event of an intruder attacking the hinges rather than the locks, these decices prevent the door or window from being pushed/pulled open. This is particularly valuable on open out doors as the hinges are on the outside.

Geep 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 heig tind glass weight restrictions - ask four REAL etailer for details.

[&]quot;'Certain door threshold opions mily not be covered by the BSI test rugime

WHY CHOOSE ALUMINIUM?

Long-lasting colour

Each REAL Aluminium product is powder coated to give one of the most durable finishes available for windows, doors and roofs. The high quality colour process won't discolour, rust or peel, givin 3 it an attractive appearance for longer. REAL cluminium is even available with a 'marine grade' finish for those who live near the sea.







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 lantern 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 Ui: 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 3001:2008. During this process, products are independently tested to BSI Standards for weathering performance 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 and quality comes as standard.

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 | epartment.

All professionally installed REAL Aluminium windows, doors and lantern roofs comply with Suilding 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 home.

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 e.ficiency, where an A-rated window is more energy e.ficient 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 unit.

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

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

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 and reduced condensation.

Glass technology

Low iron

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 remets 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.



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



Quality controlled manufacture assessed by BSI to BS EN ISO 9001;2008, License No. F 4+0322



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





Suitable for all property types from traditional cortages to contemporary rown nous s











CASEMENT WINDOWS

'- C in a in dicional acuntry collage to a contemporary town house, the REAL Aluminum range of wildows offers style and eleg nice to suit at 1"stes.

Ultra-slim frames allow more natual light into a: .. living space and give the best views to the outdoors.

REAL Aluminium. Vindo is are made to measure for your home. Each yindo . is manular tured using the very latest technologies and processes to create the inest finish to your windows



Featured Classic-al

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

Compining 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 siluare-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 colours:



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







Exterior design

nter.or design

Styles of window

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

Square - Contemporary



Fat sash-L.....all, builded



Buvellud sash - exten ally * .aded

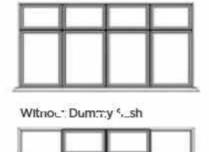
Featurec - C'assical



Featured sasin - externally beaded

All window systems achieve the same level of securiti and Willdow Energi Ruting performance. The main difference between an eliternally is diinternally peaded wind w is the aesthetics

Witn Lummy Sabri



These images demonstrate the appearance of your chosen windows with or without a 'dummy sash.'

Dummy sashes*

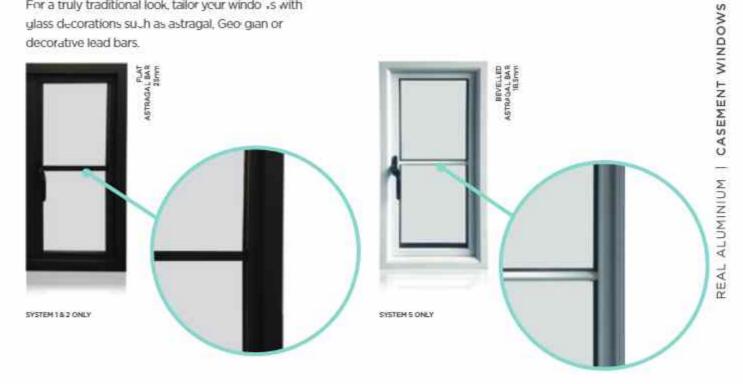
If you have an eye for detail you may wish to consider 'dummy saules' to "I-e that truly symmetric design

Andowity & this have a combination or operang and fixed areas can look _ suce uneven que lo she itame or sign. A dummy sa hiallown you to ballince tile sigit. ∃ines and clease a more uniformed ook

استو هان ۲۰۱۱

Glass decorations

For a truly traditional look, tailor your windo is with glass decorations such as astragal, Georgian or decorative lead bars.





Easyclean hinges

Optional easy-clear hi kuzs et you slice y ir wintow openito one side allowing you to papilly clean buth sides. I trie glass from " side the No., e. Triese have frie added buneficor opinan, to almost 90° giving an unobstructed vie. om your room and creating an eas, file exit

Handles

Haild-rare is available in a choice of fir isnes allowing you to tailor your windows to suit your interior.



For additional security and to retain the slim sightlines, system . has Jeen designed with a handle bloc manufactured into the prame This will appear as a separate section when viewed internally. An example of this is shown on the Graphite and patin Silver handle above

COMPOSITE DOORS

Enhance the beauty of your home w. h ar, e te, or door hat a mbines t adi i mal polis with a I the benefits of mode in historia's Made from grass-reinforced polyme (GRP), RLAL Aluminium Composite Doors provide leading security and insulation standards, in a inade-tomeasure packa je that is virtually maintenan e free.

Sturning aesthetics

Developed from oak tree grain, the wood grain effect inith on a REAL Composite Door treate is a be utifully authentil, appearance. This, con plemented by the REAL aluminium door frame, form: a Seautiful and high performance goor

Tailor make

Every REAL Alaminium Composite Door is individually made to meas rela perfect fit lifte range includes the most popular door desi ins, colours and glass options to suit any home

Security and protection

Peace of mind is assured with high-security multipoint locks and interna, glazing. A reinforced, low-maintenance REAL Aluminium frame conforming to British standards keeps the veather and would be intruders at bay.

F_liv tested

uilt to 13st, REAL Aluminium Composite Doors are subjected to rigorous intrusion, impact, wind and rainwater tests, and manufactured t_€ comply with recognised standards for stability, rigidity, thermal insulation and safety glazing.

MORE THERMALLY EFFICIENT traditional timb pane-ed voor MORE THERMALLY **EFFICIENT** o m_what so

A range of styles

Choose ...m .. varies, of styles, colours a. d decorative grass of tio is to c.eate a distlictively beautiful idox for your home i-or turther details or style and glass options please refer to the REAL Aluminium Composite Door brochure.



Solid Door



Prestige





Vogue



Elegance Arch



Eclat Arch





Renown Diamond



Contemporary



Elegance

Accessories

A rull ringe of Join familiare siavall, blirto complement the finishes including lector boxes, numulals and decorptive knockers into persung s y oles Hur handlir colour options. Lie page 19.



Esteem



Colour options

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



_la* n

Standard colours











Bespoke colours



Platinum

Lead

Granite

Girm etal

Sky Bue

















































33. Turmeric 34. Buttercup 35. Ultramarine Blue

36. eat

REAL Aluminium Door Frames

As part of the REAL Alu., inium range, the REAL Aluminium Composite Door will sit ecurely within a R_/_ Alumin'um. door frame.

The aluminium door frame is available in two REAL Aluminium styles which feature on the R∈AL Aluminium Window pa es: Featured (Classic-al) or aquare (Contemporary,...

Frame colour options Fuatured Classic al Interior dos gn

Available colours:



Square Contemporary

Avallable colours:









6. Luck . Pastel . e 8 .. 3/1

- Aubers

2. Nut or J. n. Passion Flower .C. Ovd. we Aubert me

9. Generalin

O. Salt Creating

Pot*ery

24 -a let

./. Peacock

E. M.Ingut

20. Fem G een

39, Pear

Sweet Pea 22. Potach a 23. Lee_ Cense 29. 30. Coastal Blue Sea Green Salsa Red

26.

Light 'louse

LINEURY F

Chartwell

28. Duck Egg

Note: these may be shade walations between the also air in trame and the composite duor dille to directing put if pluces as

Complete the transformation of your home with a REAL Avuratr.I...m E itrance Door.

The REAL FIX MILLY IN ENGINEE Door is a high-pertormance product sucable for use where a durable and reliable door .; needed. Choosing an entrance dour it our the REAL Alumiteu. rauge abows your honse to be fully suited with the same personalited style

These stylish yet extremely practical goors create the of timum flow from your home to the garuen without the need for a large aperture.

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

Double locking handles

For e-tra peace of mind, REAL Aluminum French Doors or double doors Loast e tra security with multipoint locking handles and the option of additional handles and locking on both doors.

Low threshold

appearance due to its minimal step over.*





An optional low threshold is great for doors which are used regularly and creates a flush

. rame colour options

Featured Classic-al L urior design

Available colours:

Square Contemporary

Avallable colours:

ENTRANCE DOORS









Handles

As with all products in the REAL Aluminium range, our entrance di orsio. Frunch doors can be pe sonali edit idi your choice of hadware and accessories.



Opening restrictors

Optional opening restrictors allow you to take e tra 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 guarantue its auather perior lance

Styles and doors

Available in a Square or Featured design

Single Front Doors

All front doors can open in or out, left or right, with any arrangement of glass and solid aluminium faced flat panels. Below are some common iront door styles.









Single Back Doors

All single doors can open in or out, left or right, with any arrangement midrails. Below are some common door styles.







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 door styles.







BI-FOLDING DOORS

REAL Aluminium Bi-folding Door: create superior panoramic views all year round from the comfort of your II /Ing room, kitchen, conservatory or orangery, by neatly folding and sliding, the R_AL Aluminium Bi-folding Doors allow ', ulck and easy, access to your garden.

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

The style of your beautifully designed and carefully 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 120/0mm wide and 2500mm high, in a choice of opening options. These can be designed to suit any opening size. Your RFAL retailer will give you advice on the most suitable option for your re uirement.





BI-rold doors offer a chulce of opening configurations to sult your needs:

- . Fold the doors in the nut
- . Slide all dhors to one side
- Create a ringle entrance for easy access and have the ramaining doors slide the opposite way
- · rart the doors centrally, to create a do ible door

Available colours:



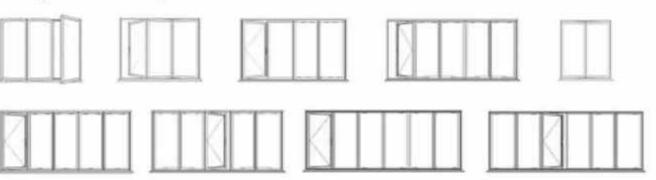






£ lack

Configuration examples:



Not all configurations have an external handle for access from the outside. Please ask your F.E./.L. Retailer for details





Threshold

Our four threshold options let ,ou choose from .loor to floor flush threshold, right the way through to a traditional step and provides ma imum weather rating for extreme conditions. When a flush doorway is required - for example separating two rooms or for wheelchair access - our low threshold options ensure a smooth, unobtrusive transition.

Multi-point locking



REAL Aluminium Bi-folding Doors feature two high security Looks and a dead-polt to casu e cotal peut e of mind. Upgraded locking systems a e available ple= ,e sperk to you. REA'_ Retailer fo. 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 'ind one key as your door set has 'keyed allke' locks as standard for your convenience.

Hardware is available in a choice of finishes allowing you to tailor your doors to sult your Interior.

















Create a feeling of light and space using an expallate of uninte, rupted glass with the REAL Aluntinium Sliding Patio Doors.

The technical design of the REAL Aluminium Sliding Patio Doors make them Ideal fo. la.ge-span areas and situations where bi-folding doors may not be so agg repriate such as areas expised to high winds of upper floor apartments. A Slidin - Patio Door will offer , ou the largest uninterrupted glass area and once open doesn't take up room on a patlo or palcon, or Inside the home

Made-to-measure and intredito the nighest standard, the keal-Alchinem Sliding Petes Door deliver optimum performance. Local to the Lighest industry standards. REAL Aluminium liding Fatio Doors easily gide vith guaranteed reliability. The strong, tilermaily, afficient aluminium frames cleate diamatic siiding saskies with large glass areas without compromising thermal performance or weather resistance

Using advanced glass technology and supe ior insulation to keep , our home warm, the R_AL Sliding Patio Doors form a thermally efficient glass lacade a wonderful way to flood a space with light and enjoy beautiful views

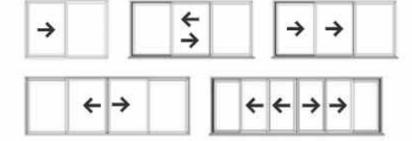
Available in two, three, foul, or six panels, all patio doors are double- or triple-glazed with special sliding mechanisms to enable even the largest sashes to slide open and close smoothly on a double- or triple track, whatever their size

Handles





Configuration examples:



Available colours:









MORE SKY LESS ROOF™

Periact for an extension or orangery, this roof lantern outers exceptional benefits this inhatched by any other roof on their arket line REAL Auminium antern Koof has sharp, clean lines with minimal roof bars made possible than as to the super slim frame without thinky support bars or joint covers.

Compared to other conventional Lantern Roofs the REA . Aluminium _antern Roof has a 70% _limmer top roof par (also known as the rit.ge) and 30% slimmer rafter bars.

using the benefits of slimline technology, we have combined good looks, outstanding thermal performance and intelligent detailing, to create one of the finest looking lantern roofs available.



The REAL Aluminium Glazed Roofs offer exceptional benefits unmatched by any other roof on the market.

The UK's most thermally efficient a'u: ::nit.!-: lantern roof syste.c**

- .he UK's strongest lantern roof system**
- Minimalist modern design
- 70% slimmer roof frame

Available colours:









Don't just take our word for it... see for yourself

Roof glass

Comfortable year-round room use

As standard, your REAL Glazed Roof will be specified to combine heat refection and thermal insulation with reduced rainfall and traffic noise. All roof-glazed units incorporate toughened safety glass and are manufactured to the highest British and Luropean Standards, accredited to B5 EN 1279 parts 2 & 3 and BS EN 12150.

All REAL Gla: ed Roofs come with self-cleaning glass as standard, helping to keep your roof looking cleaner for longer. Available in neutral and bron e.

Solar control and low-e coatings along with an argon gas-filled cavity controls the amount of visible light, UV and heat that passes through the glass. Available in neutral, blue and green tints.

*0.7 w/m k ove, all u value when triple gla..ed ... w/m k overa l U Value when double gla..ed

** Independent tests show that REAL All-minium Roofs offer the best thermal and stilenight performanc available in the U. do nest cloops yatory rearbet. Please note that all information given is for guidance purposes only it is given in good faith and is correct to the best of our knowledge at the time of printing



throw maximum light into any home.

Minimal Sightlines

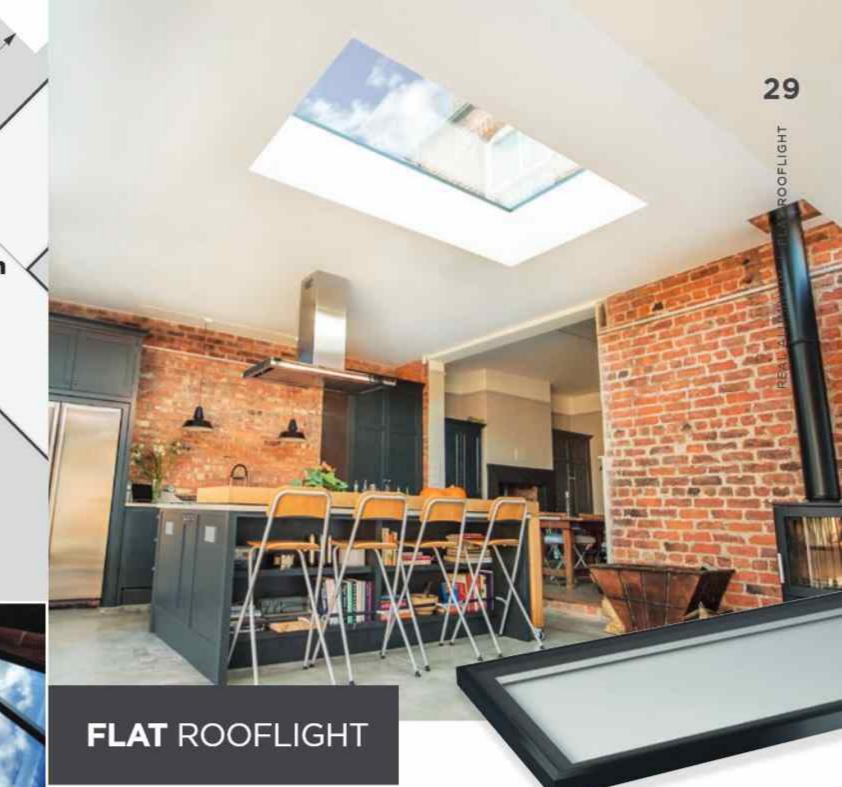
The minimalistic contemporary external design with flush glazing gives a sleek, modern appearance and is a stunning addition to any home extension.

ultimate pe formance

With an unrivalled double glazing overall U value (roof and glass, of 1.3 w/m2k the REAL Aluminium Flat Rooflight outperforms many of its rivals.

Maximum Light

Sitting flush with the internal plaster line, the fixed flat rooflight appears frameless from the interior of the home, creating the illusion of an open roof space.









Handles and accessories

When creating a beautiful and stylish home, details a e e.e.ything. The handles and accesso, les available th, oughout the REAL Alumii, lum range orre-le rery home a matching s. Ite of high quality products use the receivence that below to discover the period set of handles and accessories for your home.

ATh indies and accessories have been tested to ensure high standards or endurance and functionality.

Locks

REAL Aluminium doors that have more than one lock will only require one key to operate all or 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 unique. , or further details, please speak to your REAL Retailer.

33

HANDLES						
Ĭ			White	Black	Grey	Graphite
BI-FOLDING DOORS	Muin handle (Lever (struinht) hindle)	-	0	0	0	0
	Incomediaco hundle	A	0	0	0	
	Phun_e	0	0	0	0	
	Magnetic suich		0	0	0	
	.r ⊆le ents		0	0	0	
SLIDING PATIO DOORS	Ling leter hundle	Å	0	0	0	
	ulidin_ Joor D nandle	D	0	0	0	
CASEHEL I WINDOWS	C./set handle	1		0	0	0
	Monker, rail hundle	1				
COMPOSITE, ENTRANCE & FRENC.I DOORS	Le er (straight) handle	+	0	0		0
	Le er (-wan) handle	1				
	Letterplate (black ABS surround)		0	0		
	Letterplate (matching surround)	=	0	0		0
	Knocker Victorian 6" Urn	ф		0		0
	Knocker Victorian 6" Urn with spyhole	\$	0	0		0
	Knocker Victorian o" Urn Slimline	*	0	0		0
	Knocker Victorian 5" Urn Slimline with spyhole		0	0		0
	Knocker onytail	2	0	0		0
	Numerals u-4	1		0		0

Chrome	Satin Silver	Pollshed Gold	Antique Black
0	0	0	
0			
0			
	0		
	.		
	0		
0	0	0	
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			0
0	0	0	
0	0	0	0
0	0	0	0
0	0	0	0
0	9	0	
	0	0	
0	0	0	0
0	0	0	0



Antique black range



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



Self-cleaning glass



For those places harder to read: such as onservatory roofs or uppe. Hoor windows, self-cleaning coating is ideal. These use ultraviolet light to decompose organic material and rain to wash them off

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

The self-cleaning technology uses both rain and LIV light from the sun to enticiently combat dirt and grime that accumulates on the outside of the window glass, resulting in the need for manual cleaning being significantly reduced. Self-cleaning glass provides the ideal solution to cleaning those hard-to reach or dangerous areas leaving you with more time to relax and enjoy your conservatory.

Available in ..eutral and bronze.

How to care for your REAL Aluminium

Aluminium is easy to kee, loo..ing great and is virtuall, maintenance free. Modern powder-coating delivers a hard-wearing inish 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.



