

The **Complete** Collection
Uncompromised style and performance



Welcome to idealwindowsolutions



Thank-you for considering Ideal Window Solutions. No matter how large or small your project is you can be assured of professional service at all times

Ideal Window Solutions is a long established company based on the south coast serving central southern England. Since formation in 1996 we have worked hard to build our reputation for quality and service.

Whether carrying out individual projects for members of the public or major developments for national house builders, our service is always professional and reliable and without exception our customers are always left satisfied that they have received fantastic value for their money. Our customers return to us time and time again, testament to how much they have come to value our commitment to providing industry leading products and exceptional service at affordable prices.

We have gone to great lengths to ensure you can be confident that you have chosen the right partner to do business with. As this brochure demonstrates, the products we supply and install are industry leading with unique features and benefits all built to the most exacting of British and European standards.

Of equal importance to the products we supply, is the expert team of people we have assembled to deliver quality of service and professionalism to our customers, ensuring our standard of installation and aftercare is every bit as good as our products.



The Double Glazing & Conservatory Ombudsman Scheme (DGCOS) is a consumer protection organisation that ensures consumers are protected when using a DGCOS accredited member. DGCOS is the only comprehensive consumer protection organisation operating within the double glazing sector and the only scheme to give consumers an advanced level of protection and confidence. DGCOS's advice to consumers is completely free of charge.

The scheme's spokesman is Nick Ross (former BBC Watchdog and Crimewatch presenter).

Ombudsman Service's is free of charge to the consumer and is completely independent of the members that subscribe to the scheme. DGCOS provides a free service to investigate any complaints. This includes:

- Free Mediation to help fully resolve any disputes
- Free Independent Inspections to assist with installation or product malfunctions (at DGCOS discretion)
- Free Access to the Ombudsman in order to conclude disputes without incurring legal fee or costs
- A Compensation Fund to ensure you're never left disadvantaged

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Proud to be Made in Britain



MAKING YOUR HOME WARMER

Windows and doors can account for up to 25 per cent of the total energy lost from your home, so your new windows, doors, conservatory or glazed extension need to deliver – not just look great.

All of our ranges are manufactured to the highest standards, meeting and far exceeding all current regulations in the UK for window and door energy efficiency with Window Energy Ratings of up to A+ and U-values as low as 1.0W/m2K.

Whatever your choice of style or finish, it means that your new windows and doors are going to keep your home warm and secure for years to come.

Your guide to Window Energy Ratings (WERs)

Whether you're thinking about buying new double or triple-glazed windows or doors you need to know how they're going to perform.

Windows and doors can look the same, but deliver wildly different levels of performance.

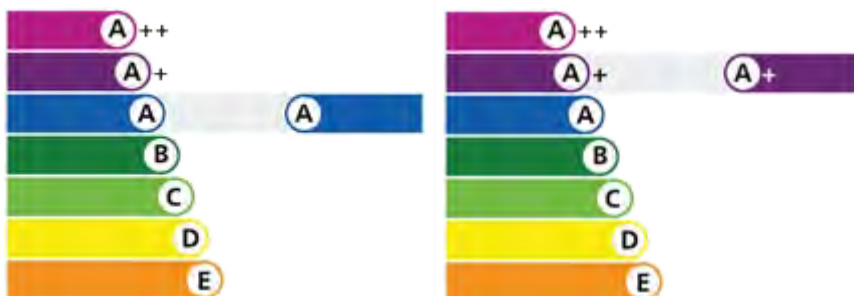
Window Energy Ratings provide a simple 'traffic light system' measure of performance. This includes a combined measure of how good it is at:

- 1 - Keeping draughts out,
 - 2 - The warmth that it adds to a property through solar-gain,
- and
- 3 - How effective it is at stopping heat loss - something measured in construction as a U-value.

A similar scheme using different calculations also exists for doors (DERs).

28mm Double Glazing

36mm Triple Glazing





Windows and doors can account for up to 25 per cent of the total energy lost from your home



Keep your home warm
and cosy on even the
coldest of days

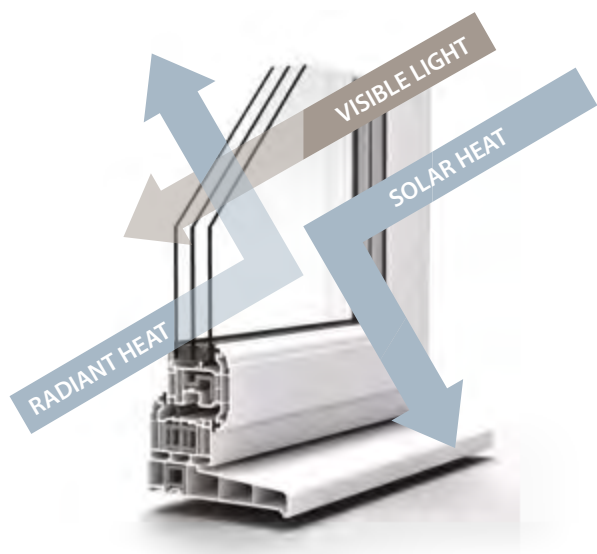
WHAT MAKES OUR WINDOWS AND DOORS ENERGY EFFICIENT?

Glass

Glass is the single most important factor in defining the energy performance of your new windows and doors. Our glass supplier, is at the leading edge of innovation. With a proud reputation of being a market leader globally in glass sealed unit manufacturing.

All of the double and triple-glazed glass units that we supply use smart low-e coatings on glass - a one-way door for trapping and holding energy.

We also use warm-edge spacer bars, which separate the sheets of glass in double and triple-glazed units to put 'space' between the cold air outside and warm air inside. This cavity is filled with argon gas. It's completely inert in the environment and you can't see it but because it's denser than air. It creates a highly effective insulating barrier, helping to keep your home warm and cosy on even the coldest of days.



Windows, doors and glazed extensions

Our PVC-U windows and entrance doors are manufactured in the UK's leading Profile 22 Optima system, with over £18 million of investment from Profile 22 and our manufacturing partner Emplas Window Systems, you can be confident your windows and doors are the most advanced in the market today.

Our frames feature an internal 'honeycomb' multi-chamber system, which create a series of thermal barriers between the warm air inside your home and cold air outside of it (see the window technical overview on page 15).

PVC-U and composite doors

The same principles are applied in PVC-U panel and composite front and back doors. These use a tough high density polyurethane foam core in the leaf to provide exceptional levels of insulation.

The exact energy efficiency of your new door will depend on a number of different factors including the style of door and glass you choose but all feature our warm core foam technology.

This maximises the thermal efficiency of your new composite door, making it up to almost 20 per cent more energy efficient than a traditional solid timber door.

Window energy efficiency

1. Low-e coatings on glass create a thermal barrier, preventing heat transfer.
2. Warm-edge spacers used to make up glazing units create space between warm air inside and cold air outside.
3. Gap created by the spacer bar is filled with inert high density gas. Denser than air, it provides an additional barrier to heat transfer.
4. 'Honey-comb' chambers inside PVC-U windows create multiple thermal-breaks.
5. Thermally efficient, recycled composite material reinforcements used in place of energy inefficient steel reinforcements, further improve energy efficiency. (please note full steel may be required in some applications for structural reasons).

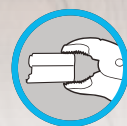
MAKING YOUR HOME MORE SECURE

Windows and doors are potential 'weak points' in home security so choosing designs with the right combination of security features is important in protecting your home from potential intruders.

All of our windows and doors feature the latest multi-point locking systems and robust hardware, delivering the highest levels of window and door security.

For added peace of mind, we also offer a number of enhanced security options, to upgrade your windows and doors to a level endorsed by the UK Police's, Secured by Design Scheme through our supplier Emplas, for accredited products please see: <https://www.securedbydesign.com/member-companies/sbd-members> and search for Emplas Window Systems Ltd because your security and that of your home and family, matters.

BREAK SECURE



ANTI-BUMP



ANTI-DRILL



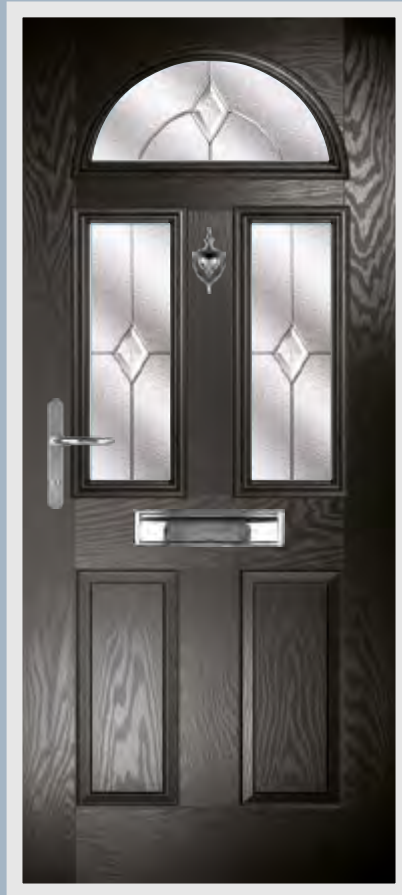
ANTI-PICK



COMPOSITE DOORS

Our front and back door composite door ranges are supplied to the highest security levels and meet Secured by Design standards through our supplier Emplas, for accredited products please see:

<https://www.securedbydesign.com/member-companies/sbd-members> and search for Emplas Window Systems Ltd (when supplied with laminated glass and security letterplate).



Be sure it's secure

Meets and exceeds all current building standards



Robust handles manufactured from either stainless steel, zinc or aluminium



Toughened laminated glass energy efficient units provide increased resistance to attack, if selected. All glazing is supplied as Energy PLUS, incorporating 'Low E' glass and Argon filled



Break secure, anti-bump anti-drill and anti-pick cylinder



High security multi-point locking with inbuilt smart technology as standard



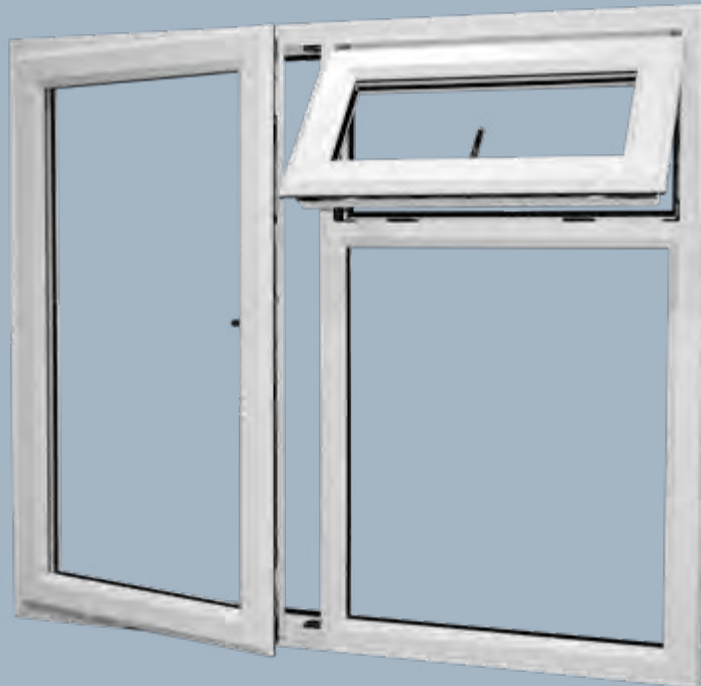
Recycled composite material used for strength, increased security and insulation purposes



Kubu Equipped Doors as standard. Kubu uses smart and simple technology to monitor your lock status in real time

PVC-U WINDOWS

Our windows feature the latest innovation in attack resistant and robust PVC-U frames and hardware.



Up to 6 point locking technology with two locking points per shootbolt (if selected) and double cam locking centrally



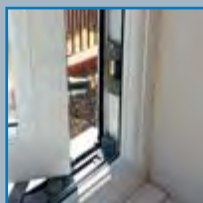
Developed to withstand even the most determined intruder. Tested by an independent test laboratory to over 3,500N force



Patented docking system prevents sideways movement of the shootbolt when under attack (if selected)



Heavy duty bolt has up to 300 per cent greater contact area against competitor shoot-bolts (if selected)



Resistant to salt spray (BSEN1670) and cycle tested over 50,000 times for ultimate long-term performance

Meets and exceeds all current building standards (when dog bolts and laminated glass are selected where appropriate)



A CHOICE OF STYLE AND FINISH AS INDIVIDUAL AS YOUR PROPERTY

Your choice of window and door design, will help to define the character of your property. From country cottage and period features of traditional box sash windows, to bold statements and contemporary urban designs, all of our windows and doors can be tailored to perfectly complement your very own 'grand design'.

Window styles

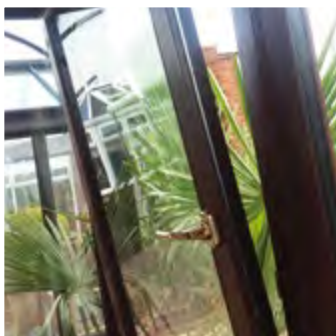
Our windows are manufactured Profile 22's new Optima PVC-U profiles - a classically sculptured (QS), a simpler, chamfered (QC) frame design or 'heritage' flush sash timber replacement. Each offering the highest levels of energy efficiency and slim stylish sightlines. Whatever your choice for your property you can be sure your new windows will be secure, energy efficient and low maintenance.



Casement



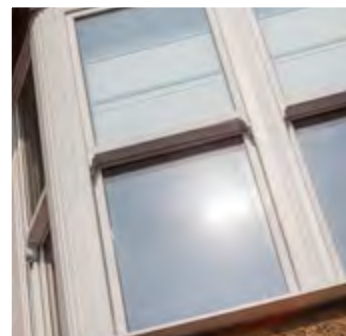
Flush Casement



Tilt-and-Turn



Fully Reversible



Vertical Sliding Sash Windows

SUBTLETY OR STATEMENT?

COLOUR AND FINISH CHOICES THAT ARE RIGHT FOR YOUR HOME

Colour will give shape and definition to your choice of window or door. Our window and door frames are available in an extensive palette of colours and woodgrain finishes that bring huge flexibility to your choice of window or door design.

Our durable foiled finishes are applied as part of the manufacturing process and come with a full 10-year guarantee.

It means that whatever the character of your property, you can choose a low maintenance foiled finish that's right for your home from subtle heritage colours to bold greys, classic woodgrains or sophisticated and understated white.

All colours are a visual representation only.

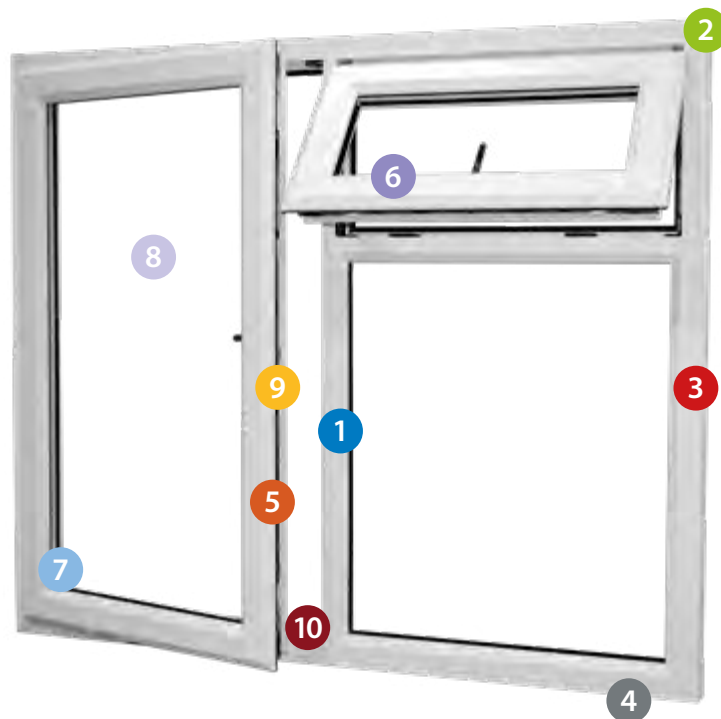
PVC-U WINDOWS

Good windows start with high performance window systems, robust hardware and the latest innovations in glass technology but it's the vision, which you have for your home, which turns 'good' into 'great'.

We'll guide you through the options to help make that vision a reality. Double or triple-glazed, box sash or casement, foiled or white – our windows can be designed to define or to complement the unique character of your home and just as importantly, your individual aspirations for it.

WINDOWS – TECHNICAL OVERVIEW

Our window ranges are the product of over £18 million of investment in energy efficiency, security and system development.



- 1** Slim sightline window frame featuring sculptured, chamfered and flush framing options plus extensive choice of colour and finish options
- 2** Thermally efficient outer frame featuring six 'honeycomb' chambers and five chamber sash
- 3** Energy efficient recycled composite material or full steel reinforcement options
- 4** Deeper drainage channels carry water away quickly improving weather performance
- 5** 10mm cover on weather seals for ultimate weather tightness
- 6** Specially designed hardware fixing points and local thickening of frame walls to improve screw retention improving security
- 7** High security internal glazing system
- 8** Energy efficient double and triple-glazed glazing options featuring warm-edge spacers and low-e coatings to achieve WERs of up to A+ and U-values as low as 1.0W/m2K
- 9** Up to 6 point locking technology with two locking points per shootbolt and double cam locking centrally. Patented docking system prevents sideways movement of the shootbolt when under attack
- 10** Meets and exceeds all current building standards including PAS24 (PAS 24 requires dogbolts and laminated glass where applicable)



CHOOSING THE RIGHT STYLE OF WINDOW FOR YOUR HOME

Every home is different, which is why we offer a wide range of window styles and colour options. Making the right choice is about working out not only the best fit to the character of your property but also thinking about how you want to live in it.

Choosing a window style is the starting point. The handles or any colour or finishes you then add, will further define the appearance of not just your windows but your home as a whole. We'll work with you to help you make the perfect choice.

FRAME DETAILING

Our casement, tilt-and-turn and fully reversible windows are available in a choice of sculptured, chamfered or flush frame systems.



SCULPTURED DETAIL

Sculptured detailing offers a more traditional decorative finish replicating the curves found on traditional timber windows.



CHAMFERED DETAIL

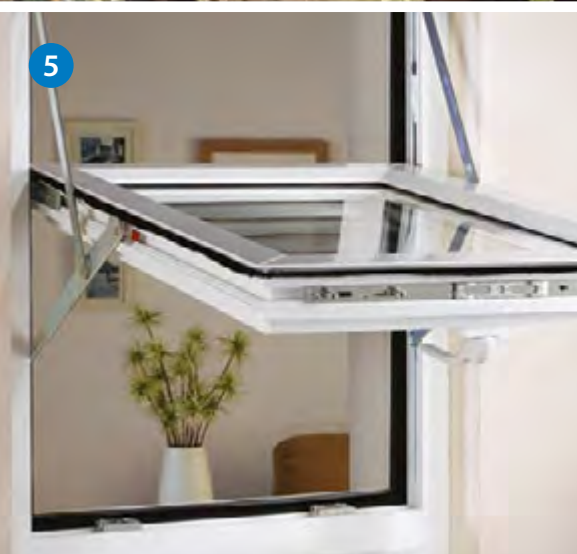
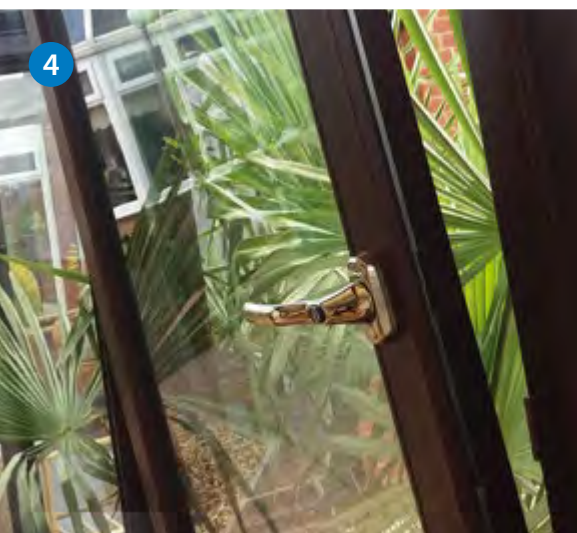
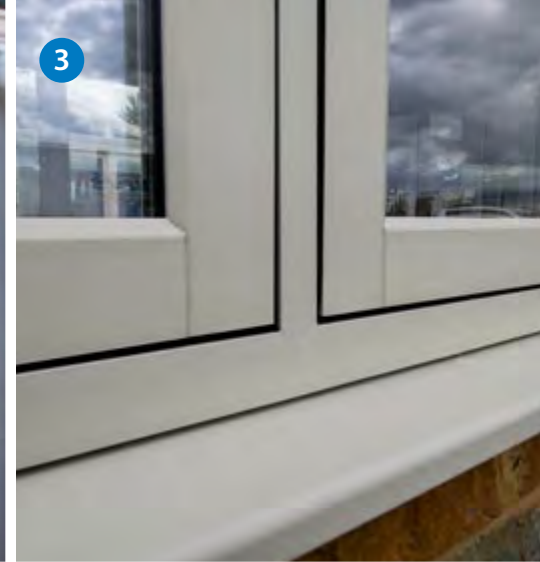
Chamfered detailing features a more contemporary and simpler bevelled edge, with straight sightlines.



FLUSH SASH DETAIL

Our flush-frame windows feature a dedicated slim-line window sash which sits flush with the outer frame. This recreates the aesthetic of a period casement timber window in a low maintenance and energy efficient option.

Mechanical joints as shown are available when selected.



1 CLASSIC CASEMENT

Timeless and with classic appeal, our range of beautiful and flexible casement windows can be designed to complement period properties or contemporary homes delivering perfectly balanced sightlines.

2 FRENCH CASEMENT

Featuring the same classic styling, our french casements are designed so that they don't require a central mullion (upright). Opened, it means views are uninterrupted. With no fixed mullion, you can be confident our windows comply with the fire regulations for escape.

3 FLUSH CASEMENT

Outward opening top hung casement windows are a contemporary British design with 90° mechanical-joints on the Optima Flush sash casement, which combines a technically advanced multi-chamber PVC-U system with traditional timber sightlines.

4 TILT-AND-TURN

The ideal solution where external access is an issue, tilt-and-turn windows can be swung into a room for cleaning. Streamlined and contemporary, they're great for wide variety of properties.

5 FULLY REVERSIBLE

Like tilt-and-turn windows, fully-reversible windows are great where access for cleaning can be a problem rotating 180°. This advanced solution is also available in a flush casement finish.

6 VERTICAL SLIDING SASH WINDOWS

The classic choice for Georgian, Victorian and Edwardian properties, our box sash windows bring 21st century innovation and energy efficient to period styling.

7 GEORGIAN ASTRAGAL BARS

Our georgian astragal bar range allows you to bring additional period character your design. Running horizontally or vertically across the glazed units of your casement or sliding sash windows, astragal and georgian bars replicate the appearance of the jointing between panes of glass on a traditional Georgian window.

WINDOW HARDWARE AND FURNITURE

High Security Locking and Weather-tightness

The seal formed between the fixed window frame and opening sash is a critical element in door security and weather-tightness.

Our windows feature up to 6 point locking technology with two locking points per shootbolt and double cam locking centrally. As well as locking the window along the sash, our heavy duty multi-point locking system provides a dedicated fix in each corner.

This makes it far harder for intruders to force it open but also improves the weather seal. Our patented docking system also prevents the sideways movement of the locking keep when under attack from intruders.

Independently tested to 3kN* force - in the PAS24 Security test – it gives you absolute peace of mind that every element of hardware design is optimized to keep intruders out.

* Our windows withstood a load of 6kN - double the test standard. A copy of this letter confirming the test results can be supplied upon request.

Our range of elegant and ergonomically designed handles bring form to functionality. Designed to fit naturally into the user's hand, they exude quality to the touch.

Beautifully crafted, our Signature™ hardware range is available in premium quality white and black powder coated finishes; chrome plated; and gold and satin electroplate finishes.

Contemporary
sculptured cranked handle
available in both LH & RH variants

Push to release
locking mechanisms

Secure
key locking

Attractive
flush fitting push button



Chrome

Colour-coded
push button & screw cover cap

Corrosion resistant
tested to BSEN1690 grade 5
salt and ammonia attack. Ideal
especially in coastal areas

Available
in five high quality finishes: white,
black, chrome plated, gold plated,
and satin plated

Designed to last
cycle tested over 10,000 times
under operational load



Satin



Gold



White



Black





WINDOW COLOUR AND WOOD-GRAIN FINISHES

Colour is a powerful design tool.



It can make your windows and doors seamlessly blend into the materials that surround them, delivering a subtle finish, which suggests that they have always been there.

It can drive bold statement designs which exude contemporary sophistication.

Or colour can sit anywhere in between – the choice is yours.

Our extensive colour and finish range from traditional woodgrain options, to contemporary greys and subtle creams and whites brings incredible design flexibility to low maintenance and energy efficient PVC-U windows and doors.

All colours are a visual representation only.



*Colours above show our standard colour range available for windows.





THE CHOICE IS YOURS

Our extensive colour and finish range from traditional woodgrain options, to contemporary greys and subtle creams and whites brings incredible design flexibility to low maintenance and energy efficient PVC-U windows and doors.





WINDOW ENERGY EFFICIENCY

Building Regulations may dictate minimum standards but our energy efficient double and triple-glazed windows go far beyond, keeping you warmer and saving you money, year round.

Achieving Window Energy Ratings of up to A+ and U-values as low as 1.0W/m²K, our windows are designed to be energy efficient from the inside out.





ENERGY EFFICIENT FRAMES

Our window frames feature five thermally efficient internal chambers in the sash and six in the outer frame. This thermally efficient ‘honey-comb’ creates a series of barriers between the heat inside your home and cold air outside.

We enhance frame energy efficiency even further whenever possible, by swapping highly conductive steel for far more thermally efficient and ultra-strong recycled composite material reinforcements.

HIGH PERFORMANCE GLAZING UNITS

All of the double and triple-glazed glass units that we supply, are via our glazing partner. We use smart low-e coatings on our glass - a one-way door for trapping and holding energy.

We also use warm-edge spacer bars which separate the sheets of glass in double and triple-glazed units to put ‘space’ between the cold air outside and warm air inside, insulating it in the process.

You can therefore be assured of advanced thermal efficiency in a beautifully crafted and low maintenance window.

Triple Glazing



Double Glazing



TYPICAL WERS

Achieves A with double glazing*
A+ achievable with triple glazing**

*A on Flush casement with 24mm double glazing, 4/16/4 clear/Total+

** Except Flush Casement Window and Vertical Sliding Sash. Standard 36mm triple achieves A+

TYPICAL U-VALUES

Achieves 1.3 W/m²K with double glazing*
Achieves as low 1.0 W/m²K with triple glazing**

* 1.3 W/m²K on flush casement window

** Triple Glazing not available on Flush Casement Window or Vertical Sliding Sash Window.



RESIDENCE 9

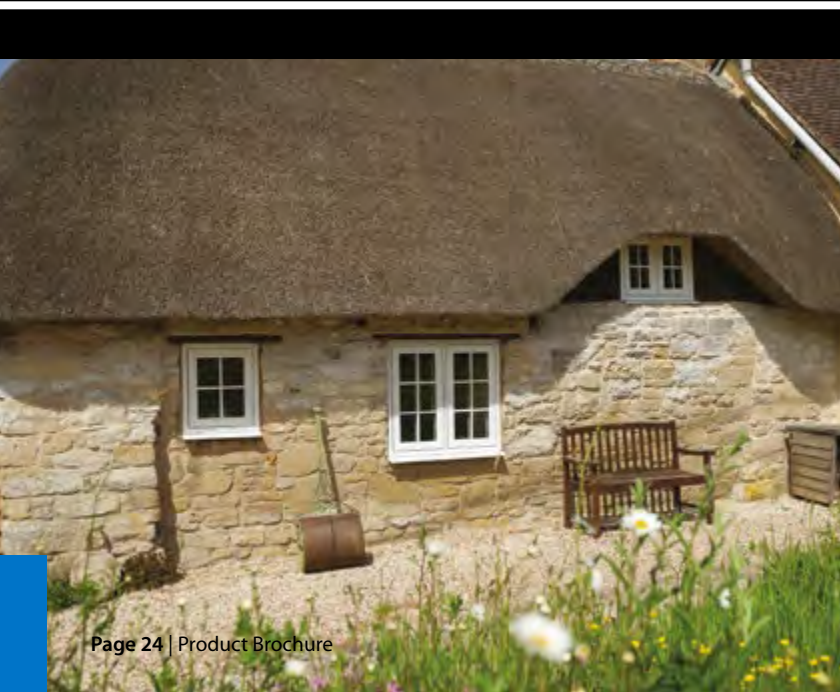
is a window and door system designed to authentically replicate 19th Century timber designs.

The traditionally elegant flush exterior and stylish decorative interior create that classic aesthetic. The twist is a modern composite material which lends itself to the sometimes frantic pace of modern living by being virtually maintenance free; no painting or staining required!

It also has the added benefit of uniquely engineered 'easy clean' rebates which can be easily wiped clean meaning your windows remain looking their best with the minimum of effort, so you can spend more time doing the things you love.

R9

RESIDENCE 9.



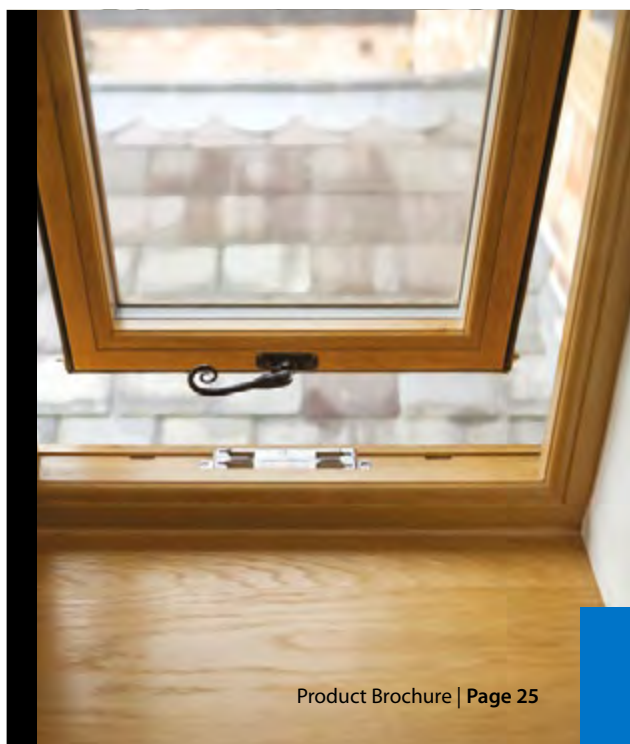
RESIDENCE 9

SOPHISTICATED PERFORMANCE

A combination of design, innovation and technological advancement is how Residence 9 outperforms many other systems. It can accommodate triple or double, highly efficient glazed units with market leading thermal and acoustic performance. It achieved one of the highest classifications on the British Standard weather test due to its robust design, and has the option of steel reinforcements (if required) to attain the maximum sizes to recreate grand entrance screens through to exceptional bays.

BEST OF BRITISH

Residence 9 is proud to be designed and made in the UK. It was created with the enduring designs of British architecture in mind and has many bespoke options that can satisfy a range of homes from the grandeur of stately homes, to the solid good looks of Georgian and Victorian, right through to the present day. As well as a stunning range of windows, it can be incorporated into fabulous French, Residential and Composite doors and elegant Orangeries and Garden Rooms. All of these are available in a handpicked collection of heritage colours that can be personalised to match existing furnishings by choosing a different colour inside to outside.



R9

RESIDENCE 9®

TRADITION AND PERFORMANCE

If PVC-U had been available to builders in the past, they would have used it. No one disputes the beauty of timber, but it has drawbacks. In the wet, it can swell. In dry conditions, it can shrink. It can warp or twist and whatever else you do, you'll always have to find the time to take good care of it. Imagine never having to paint a window. Imagine never having a window already welded shut with layers of paint.

PVC-U windows are tough, durable and insulating. They need hardly any maintenance. They open easily and when they're closed, they are secure. Our Optima Flush windows replicate the appearance of traditional wooden frames: the delicate curves, detailing and trims, even the colours, grain and texture, but there's more on offer than good looks. Multi-chambered frames are secure and strong, advanced seals block the weather, high-specification glazing provides thermal and acoustic insulation. We don't believe in 'either/or' – we know you can have traditional style and 21st century performance.

Lines and proportions

We've thought of it all: the right-sized frame with the right-sized window, and transoms, mullions and dummy sashes that create the authentic appearance and lines of a traditional flush casement. The shape is chamfered on the outside to shed the rain, and for indoors we incorporate a sculptured bead for that classical feel.

Deep Bottom Rail



Chamfered style externally



Sculptured Bead internally

FLUSH CASEMENT TECHNICAL OVERVIEW



Optima™

**MADE IN
BRITAIN**

- 1** Slim sightline window frame, with extensive choice of colour and finish options
- 2** Thermally efficient outer frame featuring six 'honeycomb' chambers and five chamber sash
- 3** Energy efficient recycled composite material or full steel reinforcement options
- 4** Deeper drainage channels carry water away quickly improving weather performance
- 5** Specially designed hardware fixing points and local thickening of frame walls to improve screw retention improving security
- 6** High security internal glazing system
- 7** Energy efficient double glazed options featuring warm-edge spacers and low-e coatings
- 8** Up to 6 point locking technology with two locking points per shootbolt and double cam locking centrally. Patented docking system prevents sideways movement of the shootbolt when under attack
- 9** Meets and exceeds all current building standards





CONSERVING & ADVANCING

Our PVC-U Flush Casement windows are virtually indistinguishable from timber but have two major advantages. Firstly, they are more affordable and can make a huge improvement to the comfort and appearance of a property where timber alternatives may be prohibitively expensive.

Secondly, their insulating qualities, easy maintenance and recyclability make them an environmentally-friendly alternative.

Our sightlines are spot on. Our Flush Casements have perfectly balanced dummy sashes and there is a deep bottom rail available. There is a great selection of period colours and wood-effect finishes, including a timber-grained, white or cream painted effect, which avoids potential unease about the smooth surface of PVC-U.



Optima
BY PROFILE 24 SYSTEMS





Energy Standard



KEEP YOUR HOME WARM AND COMFORTABLE

Keeping your home warm can be challenging when energy prices are rising. Choosing windows with Planitherm Energy Standard glass can help to combat this.

The special coating on our glass captures the warmth from natural daylight, and stops 56%* more internal heat escaping than older-style double glazing. So, it will cost you less to keep your home warm.

HOW IT WORKS

The crystal clear, microscopic coating applied to the inner pane of glass allows more light and heat into the room, helping to warm it, while keeping more heat in too.

BENEFITS

- Improved energy efficiency
- Can help lower energy bills

WHERE TO USE IT

Ideal for standard windows in any room, but not ideal for south- or west-facing rooms with sunny aspects or large glazed areas.

Outer pane	4mm PLANICLEAR
Inner pane	4mm PLANITHERM TOTAL+
Cavity	20mm Argon gas filled Warm edge spacer

*Compared with a 4mm/16mm cavity/4mm (uncoated) Double Glazed Unit filled with air. **Calculated from UV transmittance in accordance with EN 410.



Comfort



Choose better security and better sleep

Disturbed by outside noise? Concerned about security? Choosing windows with Planitherm Comfort can help provide the answer.

With a built-in transparent layer, Comfort glass is much tougher to break through than standard, unlaminated glass. Ideal for bedrooms or street-facing rooms, the layer also reduces noise by 23%*, helping to improve your overall well-being. As an added bonus, it also blocks 99%** of UV rays, helping your furnishings to look as good as new for longer.

HOW IT WORKS

The transparent layer laminated between two panes of glass creates a strong barrier, dampens noise and blocks over 99%** of UV light.

BENEFITS

- Helps protect against burglary and vandalism – designed to meet the official police security initiative ‘Secured by Design’ standard
- Reduces unwanted noise
- Improved energy efficiency
- Reduces fading of your furniture

WHERE TO USE IT

Ideal for standard windows in any room, particularly bedrooms for a peaceful night’s sleep, or those overlooking busier streets where noise and/or security are a concern.

Outer pane	6.8mm STADIP SILENCE (6.8mm Acoustic Laminated Glass)
Inner pane	4mm PLANITHERM TOTAL+
Cavity	18mm Argon gas filled Warm edge spacer

*Compared with a 4mm/16mm cavity/4mm (uncoated) Double Glazed Unit filled with air. **Calculated from UV transmittance in accordance with EN 410.



Comfort Plus



MAKE YOUR HOME INTO THE ULTIMATE SANCTUARY

For the perfect balance of light, warmth and comfort choose Planitherm Comfort Plus.

An invisible coating is specifically designed to block out 50% of external heat from the sun while keeping in 59%* more internal heat. Your home will be cooler in summer and warmer in winter.

Particularly useful for large glazed areas, such as bi-fold or patio doors, and for south- and west- facing rooms with sunny aspects. The glass is also combined with a built-in transparent layer to give you all the comfort features of the Comfort option.

HOW IT WORKS

The special clear coating on the glass reflects away heat from the sun, while optimising heat retention in the room. The transparent, laminated layer creates a strong barrier, dampens noise and blocks 99%** of UV light.

BENEFITS






- Blocks out heat from the sun's rays, giving you greater control of your internal temperature
- Improved energy efficiency
- Helps protect against burglary and vandalism – designed to meet the official police security initiative ‘Secured by Design’ standard
- Reduces fading of your furniture
- Reduces unwanted noise

Outer pane	6.8mm STADIP SILENCE (6.8mm Acoustic Laminated Glass)
Inner pane	4mm PLANITHERM ONE T
Cavity	18mm Argon gas filled Warm edge spacer

WHERE TO USE IT

Ideal for homes with large glazed areas, bi-fold doors and south- and west-facing aspects. Excellent choice for both new builds and renovations.

*Compared with a 4mm/16mm cavity/4mm (uncoated) Double Glazed Unit filled with air. **Calculated from UV transmittance in accordance with EN 410.

Comfort Feature	Energy Standard	Comfort	Comfort Plus
 Energy Efficiency	✓	✓	✓
 Enhanced Security		✓	✓
 Noise Reduction		✓	✓
 Furniture Fade Protection		✓	✓
 Reduce Overheating			✓



Energy Efficiency

With Planitherm, energy efficiency comes as standard.

A special coating on our glass helps stop heat escaping, so you'll use less energy to keep your home warm. Our Energy Standard and Comfort glazing captures and makes use of the warmth from natural daylight, while Comfort Plus helps limit and control it – ideal for very sunny rooms.



Enhanced Security

Help protect your family from break-ins and vandalism.

Our high-security transparent layer on Comfort and Comfort Plus glass makes them much tougher to break through than standard, unlaminated glass. When used in an approved window frame, they're designed to meet the official police security initiative 'Secured by Design' standard*, so you'll feel safer and more secure in your home.



Noise Reduction

Make your home a peaceful respite from the world outside.

Perfect for bedrooms to ensure a good night's sleep, a built-in acoustic layer keeps exterior noise exactly where it belongs – outside. If you live on a busy road or close to other disturbing sounds, noise control glazing should be on your list.



Furniture Fade Protection

Keep your furniture looking newer for longer.

Prolonged exposure to ultra-violet light from the sun will contribute to your furniture and curtains fading over time. Our hidden layer of protection on Comfort and Comfort Plus glass blocks out 99% of the sun's UV rays. Think of it as sun-block for your sofa, curtains and carpets.



Reduce Overheating

Perfect balance of light and warmth.

Rooms with lots of glass will give you a great view, but the warmth from natural daylight can make it uncomfortably hot on sunny days. Our Comfort Plus glass has a special coating designed to keep out heat from the sun's rays, for a comfortable and bright environment and greater control of your internal temperature. It's particularly suited for south- and west-facing rooms with sunny aspects, or larger glazed areas such as bi-fold and patio doors.

*Secured by Design standards through our supplier Emplas, for accredited products please see: <https://www.securedbydesign.com/member-companies/sbd-members> and search for Emplas Window Systems Ltd

PVC-U PANEL FRONT AND BACK DOORS

Our PVC-U panel infill front and back doors provide a high security, low maintenance and robust option, that's fully geared up to survive every day family life!

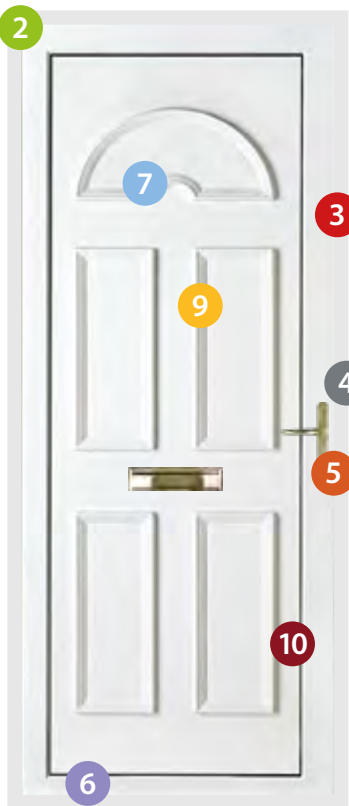
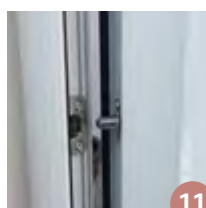
They won't warp, or twist and require only the minimum of maintenance, while a high security multi-point locking mechanism and anti-bump, pick and drill cylinder locks mean that they meet and exceed PAS24, the Building Regulations Security standard.*

With a wide selection of decorative glass options, colour and finish choices, you can design your perfect door.

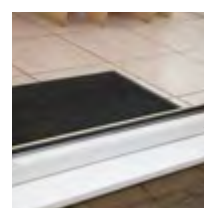
* When selected

PVC-U PANEL FRONT AND BACK DOORS – TECHNICAL OVERVIEW

Our PVC-U infill panel doors, like our composite front and back doors (see pages 44-45) employ cutting-edge innovation to keep your home warm, secure and weathertight.



LOW THRESHOLD



STANDARD PVC THRESHOLD



Be sure it's secure

All our PVC-U doors are Kubu equipped as standard, see page 50



- 1** Robust vacuum and pressure bonded panel, featuring reinforced core and 'type A' fire resistant and thermally efficient expanded polystyrene insulation
- 2** Choice of contemporary and traditional designs
- 3** Secure energy efficient door frame, featuring localised thickening of walls, providing increased screw through pull and hardware retention
- 4** Multi-point locking mechanism and high security keep
- 5** Anti-pick, anti-bump and anti-drill door locking cylinder. (if selected)
- 6** High performance gaskets provide superb weather sealing
- 7** Energy efficient decorative glazing options
- 8** Choice of standard PVC or low aluminium threshold options
- 9** Choice of colours and woodgrain finish options. See page 41
- 10** Meets and exceeds all current requirements under building regulations, when specified
- 11** Optional dog bolts an additional burglar deterrent



MANOR

The Manor is a flexible half-glazed door which has been designed to let the light flood into your home. Inverted mould detailing in the bottom panel give the Manor an understated elegance, making it suitable for use as either a front or back door. **Shown here with Stippolyte glass and optional mullion.**

We have created a specially selected range of PVC-U panel doors, designed to bring style and elegance to any home.

Combined with a wide choice of colour and decorative glazing options, finding the perfect new door for your property is easy.



BUCKINGHAM

The Buckingham is a highly flexible half-glazed door option. Bringing light into your home it can be installed as either a front or back door. It's defined by its subtle octagonal moulded detailing in the bottom panel. **Shown here with Everglade™ glass**



SANDRINGHAM

The classical front door, the Sandringham features an energy efficient solid design providing a high level of security and a half-moon door light, with Georgian Bar detailing. **Shown here with Florielle™ glass**



ARTEMIS

The Artemis is another classic door design. Suited to use as either a front or back door, it features two half leaded door lights, which allow light to flood into a hallway or kitchen. **Shown here with Charcoal Sticks™ glass**



MADRID

The Madrid brings classical styling to your home. Two large door lights with arched focal points bring light into your home making this beautifully styled front door a popular and flexible choice. **Shown here with Contora™ glass**



PVC-U PANEL DOOR FINISH, GLASS & HARDWARE OPTIONS

Your door is the sum of its parts. We've taken care of the things that you would expect. Energy efficiency, security and weather tightness – but it's your choice of colour or woodgrain and hardware, which will give it those all-important finishing touches.

**See Page 40 for Hardware &
Page 41 for Colour options**

OBSCURE GLASS OPTIONS

PRIVACY FOR YOUR HOME

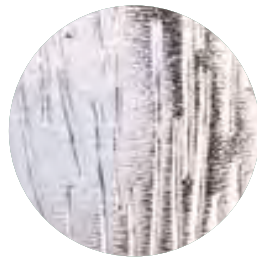
Alongside colour, your choice of glass will shape the appearance of your door. Whether you choose a simple privacy glass or decorative glass finish, all of the glazing units we supply are internally beaded and feature A-Rated energy efficient glass.



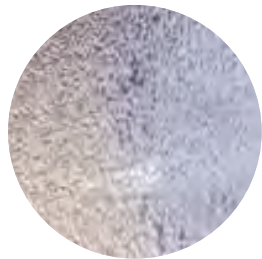
Everglade™



Pelerine™



Charcoal Sticks™



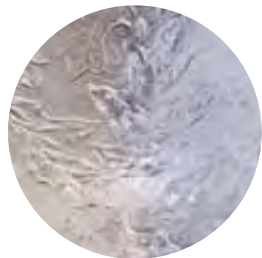
Contora™



Florielle™



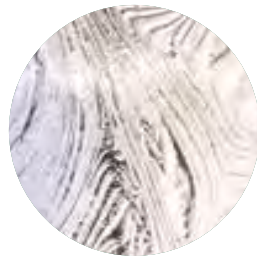
Mayflower™



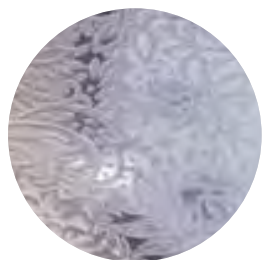
Oak™



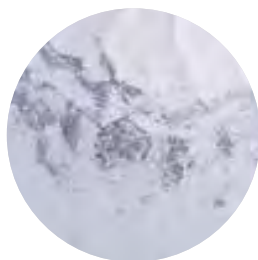
Digital™



Taffeta™



Chantilly™



Minster™



Warwick™



Door featured with Everglade™

OBSCURE GLASS



Door featured with Contora™



Door featured with Charcoal Sticks™

Please note double glazed options, do not come as laminated / SBD as standard

HANDLES, HARDWARE & DOOR FURNITURE

Your door handle is the part of your new door that you'll touch each and every day. Your letter plate, choice of knocker, all come together to put the all-important finishing touches to your new door.

Whether you're designing a contemporary, bold, statement door, or recreating the timeless charm of a period installation, we can offer you the perfect choice of lever, pad lever, heritage or contemporary pull handles available in white, gold, chrome black and satin finishes.



We also offer a Long Lever easier to grip Handle (3rd column above) which offers a greater, smooth action and low operating forces required to operate handle. The ample lever-to-door surface clearance option, are Compliant with Document M of the The Disability Discrimination Act (DDA), which states that the door handle needs to be able to be operated one handled without tightly grasping or any twist on the wrist.

Stainless steel options are available, for ultimate corrosion resistance which come with a 10 year guarantee. These are shown in the 1st column above. Standard Black and White Zinc / Aluminium hardware is also covered with a 10 year guarantee.

Appearance and finish on hardware is subject to change. Also please take into account that the product photography may slightly differ from the physical item in terms of color, due to lighting during photo shoot and the print reproduction process.

*Supplied through our supplier Emplas, for accredited products please see:
<https://www.securedbydesign.com/member-companies/sbd-members> and search for Emplas Window Systems Ltd

COLOUR OPTIONS

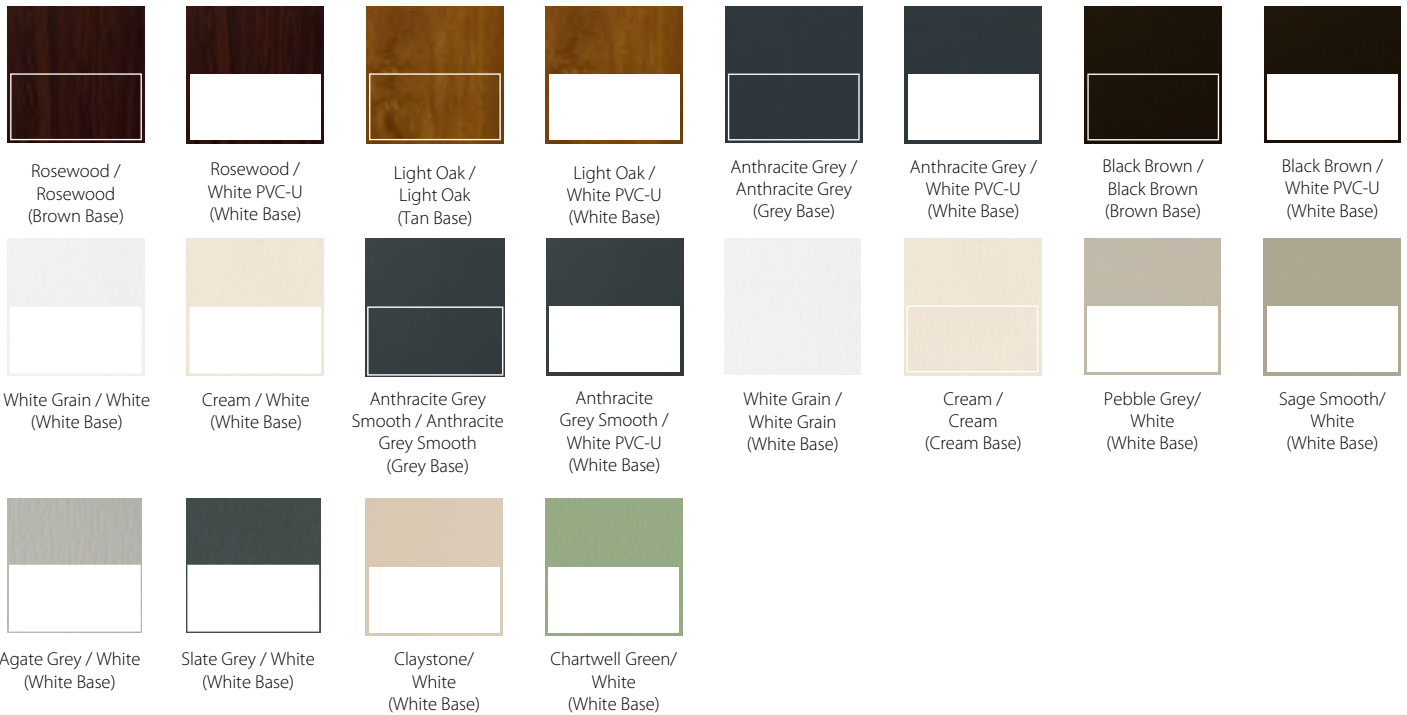
Colour is a powerful design tool.

It can make your PVC-U windows and doors seamlessly blend into the materials that surround them, delivering a subtle finish, which suggests that they have always been there.

It can drive bold statement designs which exude contemporary sophistication.

Or colour can sit anywhere in between – the choice is yours.

Our extensive colour and finish range from traditional woodgrain options, to contemporary greys and subtle creams and whites brings incredible design flexibility to low maintenance and energy efficient PVC-U windows and doors.



NOT ALL DOORS ARE MADE EQUAL

Our composite doors combine the latest innovations, to keep your home warm and secure, whatever the weather.

Emulating the natural beauty of wood with an energy efficient warm core technology and high security multi-point locking system, our composite doors are an elegant addition to any home.

COMPOSITE DOOR

Composite front and back doors emulate the natural warmth of timber but without the maintenance. Secure, thermally efficient and available in a wide variety of traditional and contemporary designs, they're a stunning addition to any home.



- 1 HIGHEST SECURITY LOCKING**
Our doors are manufactured to the highest security standards, featuring multi-point locking mechanisms, keeps and handles as standard. They're anti-lift, anti-drill and anti-pick, meeting and exceeding all current building standards (when laminated glass and security letterplate is incorporated).
- 2 INSULATED THERMALLY EFFICIENT CORE**
Our doors are manufactured from a thermally efficient and tough high density polyurethane foam core. They're tested to be almost 20 per cent better at keeping the warmth inside your home and your energy costs lower, than a traditional solid timber door
- 3 SOUND INSULATION**
The polyurethane core offers great sound insulation, reducing outdoor noise by an average of 31dB

- 4 COLOUR CHOICE**
Choose from 9 through-colour standard finishes or a choice of 37 Premium colour options, making the colour choice for your home as individual as you are
- 5 DOOR FURNITURE**
Define your style with a choice of handles, letter-plates, door knockers and spy holes available in satin, white, gold, chrome and black finishes (see page 40)
- 6 MOBILITY**
All of our doors come with an optional mobility low threshold, ideal for wheelchair use or with pushchairs. This option complies with Document M of the Building Regulations (when ramps are selected)
- 7 NATURAL TIMBER**
The appearance of natural timber but without the maintenance. Composite doors emulate the natural appearance of a traditional timber door but without the associated maintenance. They won't warp or expand and don't require painting

- 8 ENERGY EFFICIENT GLAZING**
Our doors feature the latest in energy efficient double and triple-glazed glass technology to keep your home warmer.
- 9 HINGES**
Manufactured from stainless steel, unlike lesser doors, our hinges come with a full 10-year guarantee and minimalist aesthetic design lines
- 10 WEATHERTIGHT**
The insulated core is protected from water and moisture ingress by a high performance polymer skin. Our doors are also fully tested to all relevant Standards
- 11 KUBU EQUIPPED DOORS**
You'll be able to check the status of your door no matter where you are, at any time of the day, right from the Kubu app on your phone. With Kubu say goodbye to uncertainty and hello to peace-of-mind.



Door style is Carnoustie in Chartwell Green featuring Lanesborough Green glass

CARNOUSTIE, BIRKDALE & PENINA*

Our most popular composite door option which is now available in a choice of three glazing styles.



Carnoustie



Birkdale Option



Penina Option

Our composite doors come in a wide choice of elegant designs and colour finishes, which means you can always find the perfect match for your home.

These are some of our favourite designs but if you can't see what you're looking for, please request a copy of our dedicated composite door brochure, The Classic Door Collection.

* Lanesborough glass is not available in Birkdale & Penina options



Lytham Gridlite option

Style: **Lytham**
 Colour: **Red**
 Glass: **Athena**
 Hardware: **White lever pad**

LYTHAM

The large glazed area lets light flood through which can be enhanced with the Gridlite option.



Style: **Belfry**
 Colour: **Anthracite**
 Glass: **Grange**
 Hardware: **Chrome**

BELFRY

Unlike other 'cottage' doors in the market, the Belfry has a unique 'offset etched' detailing and comes in two glazing styles.



Style: **Riviera**
 Colour: **Clotted Cream**
 Glass: **Artemis**
 Hardware: **Black lever pad**

RIVIERA

A traditional favourite with just a hint of modern.



Style: **Troon**
 Colour: **Black**
 Glass: **Impression**
 Hardware: **Chrome**

TROON

A traditional six panel design gives the Classical interest and detail.



Door style is Monza II Augusta long in Anthracite Grey featuring Luxor glass and 720mm pull bar

GLASS OPTIONS

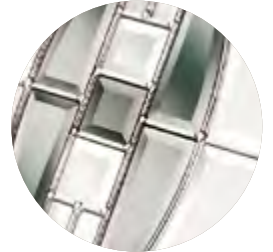
CHOOSE THE PERFECT DESIGN FOR YOUR HOME

The decorative touch that defines your door, our wide range of glass options offer you the perfect choice.

Whatever your preference, all of our doors are internally glazed, while glass units achieve top ratings for energy efficiency, keeping your home safe, warm and welcoming.



Lanesborough



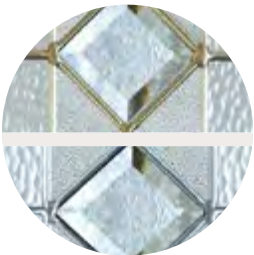
Impression***



Grange



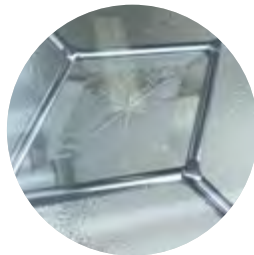
Luxor*



Tranquility**



Panama



Prestige**



Artisan*



Diamonte**



Athena



Artemis



Optimal



Birchwood***



Synergy***

OBSCURE GLASS OPTIONS

PRIVACY FOR YOUR HOME

A choice of designs, our range of etched glass adds a touch of style, elegance and privacy to your home.



Satin



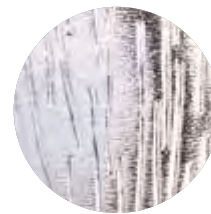
Cotswold™



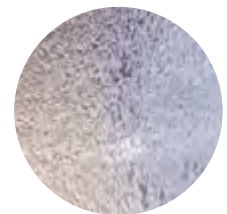
Stippolyte™



Minster™



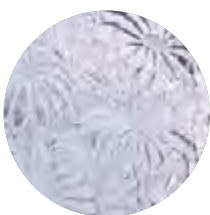
Black Grey Sticks™



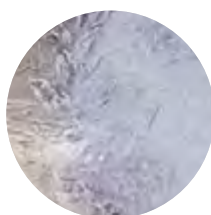
Contora™



Florielle™



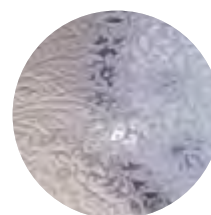
Mayflower™



Oak™



Digital™



Chantilly™



Pelerine™

* Clear Bevels ** Textured Bevels *** Mixture of Clear and Textured Bevels. Door styles are also available with fully clear or obscure double glazed options, as shown above. Please note double glazed options, do not come as laminated / SBD as standard unless specified.

DOOR COLOUR OPTIONS

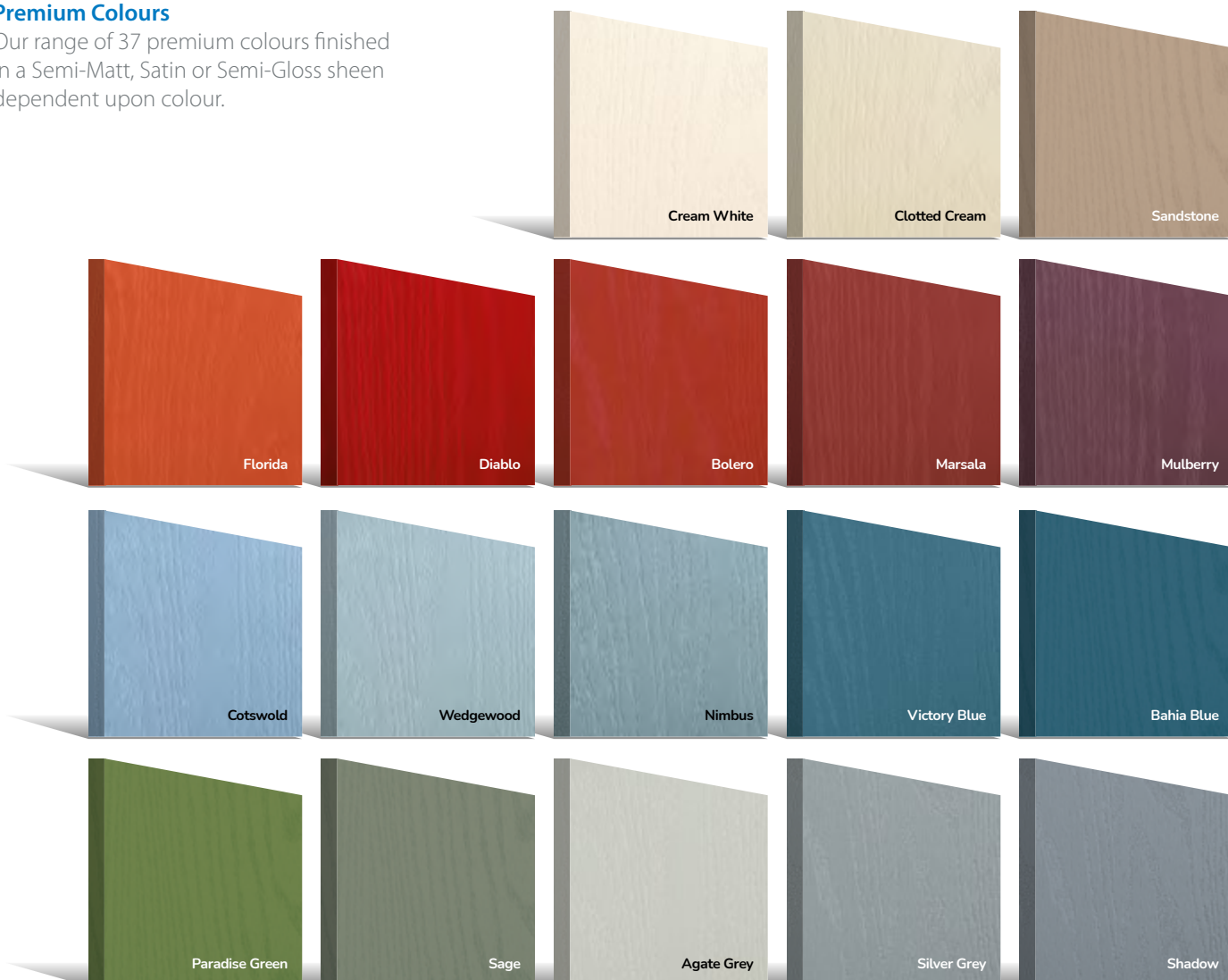
Standard Colours

We offer a range of 9 external colours with a white interior as standard. Coloured both sides available as a cost option.



Premium Colours

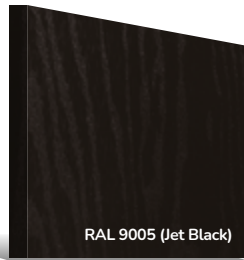
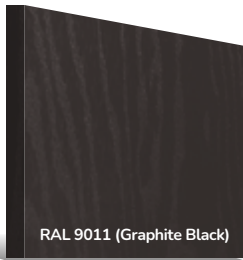
Our range of 37 premium colours finished in a Semi-Matt, Satin or Semi-Gloss sheen dependent upon colour.



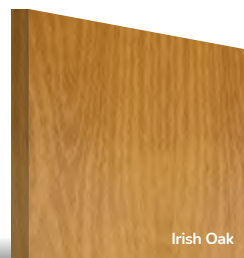
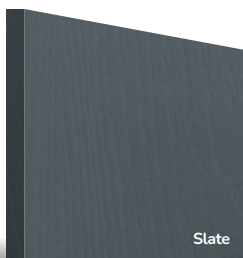
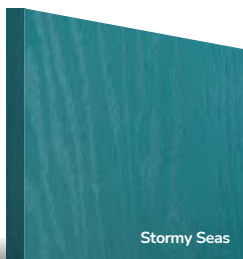
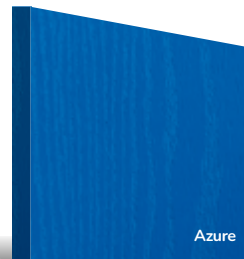
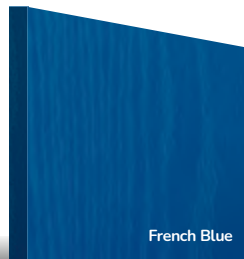
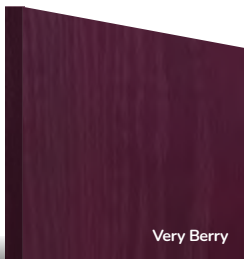
COMPOSITE DOOR COLOUR OPTIONS

RAL Colours

Any RAL colour is available from us as a special order. Here are the most requested colours as an example.



* Please note that due to the physical differences of a PVC-U outerframe and the GRP skin of the door, we cannot guarantee an exact colour match of door and outerframe.



Door colours shown in this brochure should be used for guidance only. We have made every effort to match the colour and stain you see in the brochure so it's as close as possible to our paint when applied to the doors. Due to the nature of the product it is applied to, there is sometimes a difference between them which we cannot avoid. The colour, intensity and sheen level may differ from the paper print version and we do not accept any liability for this for whatever reason.

* Some RAL colours containing luminous elements are unavailable

KUBU EQUIPPED DOORS



How many times have you thought...have I locked my door? We've all been there!

With Kubu you'll never have to worry if your door is unlocked again.

Kubu uses smart and simple technology to monitor your lock in real time. You'll be able to check the status of your door no matter where you are, at any time of the day, right from the Kubu app on your phone.

With Kubu say goodbye to uncertainty and hello to peace-of-mind.

Be sure it's secure

What does the Kubu App do?

- It lets you see the status of your door (locked/unlocked).
- Get notifications with every turn of the key.
- You can schedule notifications when you want.
- It shows the history of your doors.
- You can share your door with family and friends.
- Its perimeter feature helps to prevent you from leaving your home unlocked.

Kubu Equipped Doors

To activate your Kubu Equipped Door Lock and make it smart, you will need to purchase your Kubu Smart Kit from www.kubu-home.com

Once your Kubu Home Hub arrives

- 1 Simply follow the QuickStart guide that comes with the Kubu Smart Kit in order to get set up.
- 2 During set up you will be prompted to enter a door reference code, this is on the dummy module that is within the Kubu lock smart activation slot.

Be sure it's secure

- From any place in the world.
- At anytime, day or night.
- On all the doors in your home.
- On all the homes that you look after.

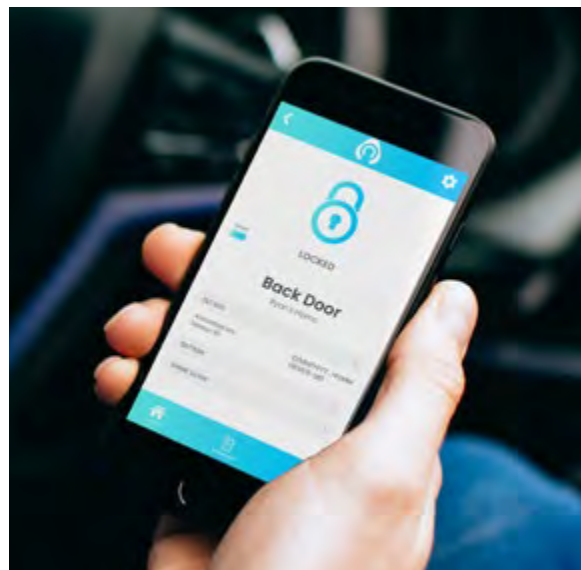
* Please note: Kubu Smart Technology is not available on slam shut doors.



Download the app

Kubu Home Hub

Door Module





Your composite door will include Smart technology, as standard.



SLIDING PATIO DOORS, FRENCH DOORS AND BI-FOLDING DOORS

Inline Sliding patio doors, French doors and Bi-folding doors are about summer and much more. From relaxing on a warm evening with a glass of wine with friends and family to watching the autumn leaves fall and the seasons change, each opens a window to the world outside.

Whether you decide on a slim sightline and space saving patio door, classic and timeless French Doors, or contemporary Bi-folding doors, your choice will make a perfect connection between your home and garden.

SLIDING PATIO DOORS

Capable of spanning wider distance, sliding-doors leave the view from your property almost uninterrupted and create a great year-round connection between indoor and outdoor spaces.

Manufactured in thermally efficient and low maintenance PVC-U profiles and featuring high security multi-point locking mechanisms, we supply the market leading PatioMaster Sliding Patio Door. Luxurious soft open and close technology, contemporary finishes and slim sightlines mean that our inline sliding door range provides a seamless connection from your home to garden.



PAS 24 Security Keep Rail Jamb & Keep Rail Head



- 1** Slim sightline multi-chamber energy efficient framing system
- 2** Smooth glide lightweight opening and closing mechanism tested to 150,000 cycles
- 3** White, wood-grain and colour options (see page 41)
- 4** High performance energy efficient A-Rated 28mm glazing as standard
- 5** Two three or four pane options
- 6** Steel reinforcement
- 7** Six point locking system with anti-jacking technology for outstanding security as standard
- 8** Anti-lift brackets fitted as standard to all sliding sashes
- 9** Featuring anti-bump cylinders if SBD is selected
- 10** Low track low threshold options for ease of access (internal use only)
- 11** Weather seals prevent draughts and leaks
- 12** Secured by Design Option available (in two pane option) through our supplier Emplas, for accredited products please see:



SLIDING UPVC PATIO DOOR OPTIONS

Our Sliding Patio Doors offer incredible design flexibility, so finding a combination that's right for your individual home is simple.

- 1 Decide on a door combination, choosing either from two, three or four pane options
- 2 Take your pick from our range of colours (see page 41) and handles

GLASS

All of our sliding doors come with A Rated energy efficient glass which is toughened for your families safety.

HANDLES

Our high security handles are manufactured from robust materials to an attack resistant design. Available in White, Chrome, Gold, Satin and Black, they feature a special scratch resistant finish and are guaranteed for 10-years.



2 PANE OPTION



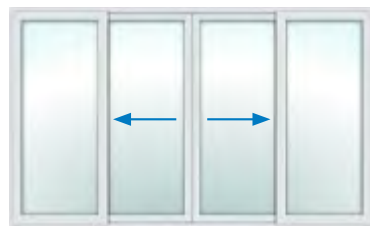
3 PANE OPTIONS



3 PANE OPTIONS



4 PANE OPTION

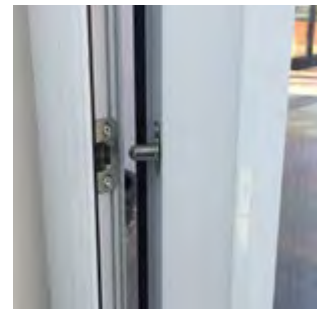


CLASSICALLY DETAILED, TRADITIONAL DESIGNS

French doors create a timeless and classic connection between your home and garden. Low maintenance and energy efficient, our Sculptured and Chamfered PVC French Door framing systems, emulate the traditional detailing of timber doors.

This traditional design is combined with multi-point locking and profile reinforcement, to deliver the highest standards in entrance door security. A choice of colours and finish, complementing its classic appeal.

FRENCH DOORS



Be sure it's secure

All our PVC-U doors are Kubu equipped as standard, see page 50

- 1** 70mm slim sightline frame featuring sculptured and chamfered options plus extensive choice of colour and finish options (see page 41)
- 2** Thermally efficient outer frame featuring six 'honeycomb' chambers and five chamber sash
- 3** Energy efficient recycled composite material or full steel reinforcement options
- 4** Deeper drainage channels carry water away quickly improving weather performance
- 5** 8mm cover on weather seals and optional dog bolt security upgrade available on hinge side of door
- 6** Specially designed hardware fixing points and local thickening of frame walls to improve screw retention and improved security
- 7** High security internal glazing system
- 8** Energy efficient double glazed options featuring warm-edge spacers and low-e coatings.
- 9** High security multi-point locking system providing the ultimate burglar deterrent
- 10** Meets and exceeds all current building standards (when 3* cylinder and laminated glass is selected)

Choose the perfect frame detail to match your new or existing windows and doors.



SCULPTURED DETAIL
Sculptured detailing offers a more traditional decorative finish replicating the curves found on traditional timber windows.



CHAMFERED DETAIL
Chamfered detailing features a more contemporary and simpler beveled edge, with straight sightlines.



DESIGNED TO PERFECTION,
BRIGHTEN YOUR ROOM
WITH BI-FOLDING DOORS
THAT COMBINE ROBUST
FUNCTIONALITY AND
SECURITY WITH BREATH-
TAKING ELEGANCE.



When it comes to bringing more of the outdoors into your home, it's the details in your bi-folding doors that make the difference. Great looking handles in matching finishes. A perfect glide. Slimmer profiles. More glass. Better protection. Superb heat retention. Our Bi-folding door gets every element right.



A unique, pivoting axle in the rollers allows the wheels to follow any undulations in the stainless-steel tracks underneath. Combined with sealed bearings in the stainless-steel wheels and lateral rollers, the doors will glide effortlessly and smoothly for years to come.



THE SMARTER WAY TO EXTEND YOUR HOME

We can help you to create your very own luxury living space with our new generation contemporary conservatories, orangeries, sun rooms and glazed extensions.

Letting the light flood into your home, our conservatory and glazed extension options offer a great and cost-effective way of adding year-round and flexible family living space to your property.

Whether you're planning a new kitchen, dining room or just a place to sit back, relax and 'chill out', we can work with you to design, build and install, a warm, secure and flexible living space, that perfectly complement's your home and how you choose to live in it.

The other big advantage is that excluding certain exceptions, you won't need planning permission because our conservatories and glazed extensions fall under the umbrella of 'Permitted Developments', saving you both time and money.*

* Subject to site visit and subsequent survey.

5 simple steps to extending your home

1. Survey: We offer a free site survey, to assess the site and provide recommendations
2. Design: Our time- served, fully trained staff can help you design your new space, ensuring this is in keeping with your living and style requirements
3. Scheduling: If you decide to go ahead, we'll draw up a home improvement schedule so you know exactly what is happening and when
4. Manufacturing: Unlike traditional building works the majority of construction work can be done off-site, minimising any disruption caused by the build
5. Onsite build: Our skilled team of installers will install your new conservatory or glazed extension with minimal disruption. Everything's pre-approved to Building Regulations so there's no red-tape and potential delay to your building

ultraframe

Transforming light and space

Climate control

Know someone with an older conservatory that's more like a greenhouse - too hot in summer and cold in winter? Well, forget everything you thought you knew about conservatories and orangeries!

Loggia column glazed extension with
Livin'Room pelmet shown

CONSERVATORIES, ORANGERIES, AND GLAZED EXTENSIONS – TECHNICAL OVERVIEW

A revolution in glass and frame technology means that today's conservatories, orangeries and glazed-extensions are a practical and affordable way to add year round family living space to your home.

Our premium ranges feature advanced energy efficient and solar reflective glass and highly insulated roofing bars and eaves, which alongside sophisticated ventilation systems, create a comfortable year round temperature, and with it, delightful, elegant and light filled spaces.



ultraframe

Transforming light and space



- 1** A-Rated energy efficient Low-e glass, retains the heat within your home, while reflective layers control the amount of sun light that enters your conservatory, preventing the build-up of heat
- 2** Self-cleaning optional coatings prevent dirt and pollution sticking to glass, washing it away with rain fall
- 3** Energy efficient and low maintenance roof glass and composite tiled roof options (polycarbonate also available)
- 4** Trickle ventilation system in the ridge or lean-to wall plate releases build-up of hot air. Optional eaves ventilation fits between the side-frame and the roof with easy 'on'/'off' control
- 5** Roof vents provide fast and effective release of build-up of heat. Electric vent openers help maintain a constant temperature, featuring rain sensors and thermostats
- 6** Optional underfloor heating brings warmth and sense of luxury underfoot
- 7** Optional insulated electrical housing system allows you to select your conservatory lighting from a far wider choice including many 'standard' fittings
- 8** Optional internal pelmet can be added to standard conservatory systems to emulate the appearance of a premium orangery installation or a more substantial glazed extension feel at a value price point. It also provides a housing for down-lighting
- 9** Bi-fold doors or large inline sliding patio doors open whole elevations to the outside, connecting your new living space to the world outside
- 10** High security, energy efficient windows designed to match a range of contemporary colours or low maintenance woodgrain finishes



ultraframe
Transforming light and space

CLASSICAL TO CONTEMPORARY

Conservatories should blend seamlessly with the architectural style of your home or stand out as a bold, contemporary architectural statement in its own right.

We offer one of the UK's widest choices of conservatories from a manufacturer at the forefront of innovation.

Each is brimming with technology, so regardless of whether you choose a classical or contemporary design you can be confident that it's going to work as a comfortable and flexible family living space all year around.

Simply choose your design, the type of roof system to suit your needs whether this be polycarbonate, glass or a solid roof system.

Our conservatory ranges make it simple to add a light-filled and elegant new living space to your home.





Georgian

Available in a full height glass 'wall' system or more traditional low brick wall and pillars, the Georgian is an elegant conservatory design, flexible enough to seamlessly blend in with a period property and surrounding brick or render of a main house, or as a more contemporary full glass or glass and feature wall extension. A flat fronted style creates flexible, square or rectangular floor space.



Gable

Delivering the same flexible square or rectangular floor space as a Georgian conservatory, Gable-fronted conservatories feature a slightly higher roof pitch, while the front panel of the roof remains upright forming the classic triangular gable shape. It's available in either traditional part-solid wall and pillar or full glass elevations.



Victorian

The classical conservatory design, Victorian conservatories feature a three or five facet Victorian bay, which places windows at wide angles to one another, giving it its popular shape. It enjoys such significant appeal because although based on classical Victorian styling, it's a design that blends into not only period - but new homes.





P-Shape

The name here probably says it all. The P-shape combines a Victorian conservatory and lean to, the curve of the Victorian bay, replicating the curve of the 'P' and the Lean-to, the downward line. Ideal for larger installations, the interface between the two creates architectural interest. You can also combine a Lean-to conservatory with a Georgian conservatory to create an L-Shape.



Lean-to

This highly flexible design offers a variable pitch, which means that it can be easily adapted to fit in the construct of your existing property. Again, available in full glass or brick pier elevations, full glass options in foiled colour finishes, create a stylish and contemporary space.



T-Shape

The T-Shape conservatory features a central projection created through a Victorian, Gable or Georgian conservatory and two 'recessed' elements each side. The design is ideal in larger installations, positioning and enveloping your new conservatory within its external surroundings.



GIVE YOUR CONSERVATORY AN EXCLUSIVE 'ORANGERY FEEL'

Our Livin Room' internal pelmet variable depth with perimeter ceiling, allows you to recreate a premium orangery aesthetic at a value price point. It also provides housing for down-lighting or speakers to incorporate your very own musical tastes.

*Livin Room' depth can be picked to suit your requirements and range from 300mm-600mm deep (from internal window frame).

Add our external cornice to give your recreation of the orangery aesthetic...
The finishing touch



ultraframe

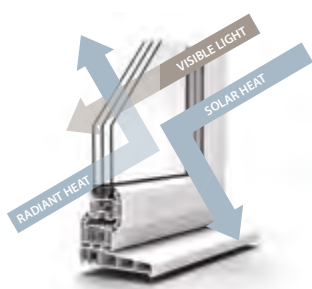
Transforming light and space

GLASS OPTIONS

Glass is the critical ingredient in good conservatory, orangery and glazed extension design. It features lots of different technical elements, which come together to create a comfortable year-round ambient temperature.

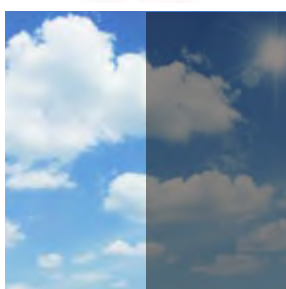
Our conservatories and orangeries feature the latest innovations in glass design. We'll take you through the options and help you make the right choice based on the specific location of your new conservatory or glazed extension.

This is defined by lots of different factors including aspect to the sun, the over shadowing by trees or buildings and exposure to the elements, including wind, rain and snow.



ENERGY EFFICIENT LOW-E GLASS

Low-e glass provides a high level of insulation reducing the amount of heat that is transferred through the glass and your home to the world outside. This helps to keep your conservatory, orangery or glazed extension, warm even on the coldest of days. It's rated in U-values or the amount of heat transferred between materials. The lower the rating the higher the performance of insulated glazing. You can be assured we use only the best performing A - Rated glass units, as standard.



SOLAR CONTROL GLASS

Solar control glass helps regulate the amount of solar energy coming into your conservatory, which unchecked can lead to an uncomfortable build-up of heat. It helps to create a consistent ambient temperature inside your new conservatory, orangery or glazed extension.

If your conservatory is potentially South facing, you might want to check out our Habi Maxi range. Keep cool with 91% solar reflection!



SELF-CLEANING GLASS

Self-cleaning glass features a coating that reacts with UV rays in sunlight. This photocatalytic process, loosens and breaks down organic dirt particles on the surface of the glass.

The surface of the coating is also hydrophilic. This means that it behaves a little bit like soap, so that rather than attracting water to form droplets, it forms a thin layer that then sheets away quickly and dries without leaving unsightly drying spots.



LIGHT TRANSMISSION

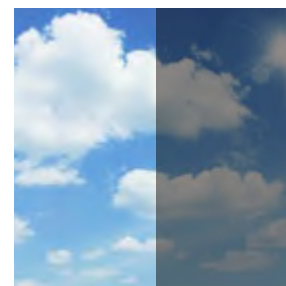
Too much bright sunlight can create an uncomfortable glare. Our conservatory glass range includes special tints to control the amount of light entering your new living space. It means regardless of your planned use, dining room, kitchen, lounge or office, you can choose a level of natural light that works for you.

CONSERVATORY ROOF & FRAME GLASS OPTIONS

Habi-Maxi

This high-performance glass reflects up to 91% of the sun's heat, while the distinctive cooling tint provides exceptional glare reduction, while still delivering a high level of light transmission.

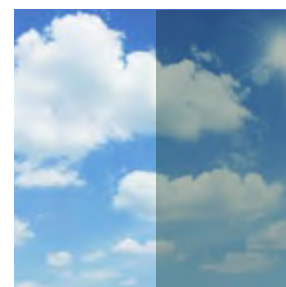
Product	Light Transmission	Solar heat reflection	Self cleaning
Max/Low E	8%	91%	N/A



Habi-emerald

Another high-performance option glass reflects up to 82% of the sun's heat, reducing internal temperatures by up to 9°C during hot summer days. The greenish tint also provides effective glare reduction.

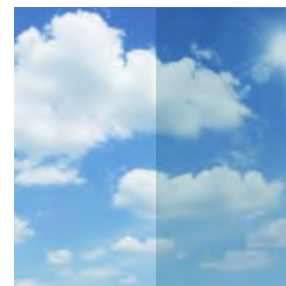
Product	Light Transmission	Solar heat reflection	Self cleaning
Emerald/Low E	43%	78%	✓



Habi-Blue

Featuring a subtle blue tint, Habi Blue Self-Cleaning glass reflects up to 60% of solar radiation, reducing internal conservatory temperatures for easy year-round living.

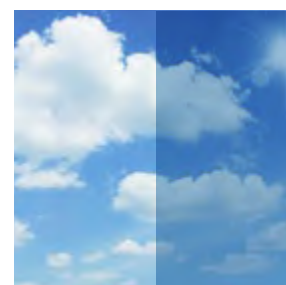
Product	Light Transmission	Solar heat reflection	Self cleaning
Blue/Low E	47%	60%	✓



Habi-SunBlue

Featuring a classic sky blue tint Habi SunBlue at 80%, delivers the highest levels of solar heat reflection in our blue tint range plus great glare reduction making it a hugely popular choice.

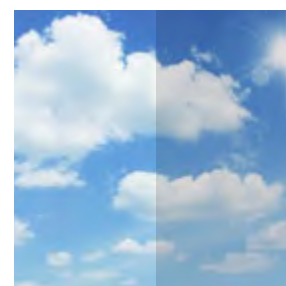
Product	Light Transmission	Solar heat reflection	Self cleaning
Blue/Low E	27%	80%	✓



Habi-Natural

With its soft neutral tone Habi Natural Self-Cleaning glass features the slightest of tints providing a natural appearance to the finished room.

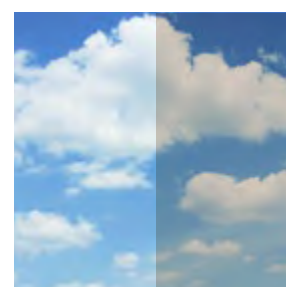
Product	Light Transmission	Solar heat reflection	Self cleaning
Natural/Low E	42%	60%	✓



Habi-Bronze

With a warm and subtle tint, this energy efficient and highly insulative glass will help to keep your conservatory warm on the coldest of days.

Product	Light Transmission	Solar heat reflection	Self cleaning
Bronze/Low E	49%	52%	✓



ORANGERIES AND GLAZED EXTENSIONS

Choose from a combination of full height solid walls, glazing and classical lantern roofs on a perimeter deck or full width roofing options. Your orangery will deliver a bespoke living space tailored to suit your specific needs.

Featuring more brick-work, they add increased flexibility to living space and sense of security. With our lightweight roofing options, you get the feel of a traditional extension but at a reduced cost.

Glazed extensions feature a larger solid area roof, while flexible and multi-configurable glazed panels bring light into your property.

Combined with full width bi-folding or inline sliding-doors orangeries and glazed extensions make a stunning, flexible and affordable way of adding additional space to your home.



The UltraSky Orangery

Featuring a full glass roof with external cornice and plastered internal pelmet, this innovative design eliminates the roof deck featured in a traditional orangery design, fully opening the room inside to the sky above. Cornice-detailing and pillar work deliver a classical orangery aesthetic, externally.



Atlas Lantern Roofs

Whether replacing an existing roof or building a new extension, a lantern roof from Atlas is a great way to pull natural light into a room.

The Atlas lanterns offer exceptional benefits unmatched by any other roof on the market. The internal and external design complements any home whilst flooding any room with maximum light.



The LivinRoof

The LivinRoof brings you one step closer to a traditional extension - but as a glazed extension, at the fraction of the cost. Featuring an internal perimeter pelmet, the solid and glazed roof system can be configured to almost any design, featuring as much or as little glass as you decide.

Internally-plastered the vaulted ceiling creates a sense of openness, while glazed sections bring light into your room.

Externally finished in a contemporary urban grey and cornice, the LivinRoof adds stylish and almost limitlessly adaptable new space to your property.

REPLACEMENT ROOFS

If you've inherited an older conservatory with the purchase of your new home or you wish to upgrade your existing conservatory for all-year round living space, you can choose from a range of different options to bring your room into the 21st century.

We would recommend our state of the art solar reflective glazing options or our highly insulated solid roof options, whether this be the Livin' Room or UltraRoof 380.

Depending on the suitability of the original construction of your conservatory, including windows and pillars, you can also choose an external finish of Anthracite Grey Aluminium or composite titles in the colours shown below: Talk to our team to find out more.



Carbon Grey

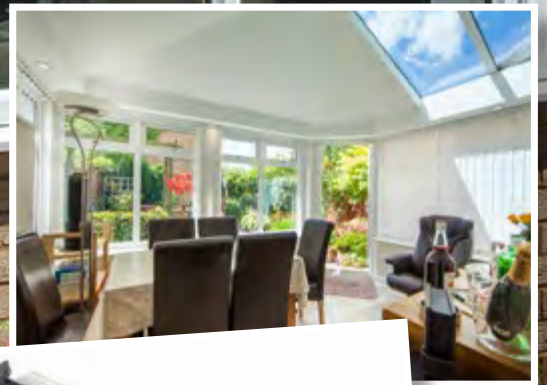
Harvest Brown

Terra Brick

ultraframe

Livin' room

Victorian style Livin' Roof
with decorative Cornice





THERMAL EFFICIENCY

One of the foremost reasons why so many homeowners invest in solid roof conservatories is to achieve a more thermally efficient room that offers a comfortable room temperature regardless of the outdoor weather.

Older conservatories fitted with a polycarbonate roof are the best example of how the room can be too cold to use in winter, and too hot to use in summer.

Glass conservatory roofs go a long way towards solving this problem and are far better at controlling the movement of heat that is allowed in and out of a room but, unquestionably, the most energy efficient solution is the UltraRoof 380 roofing system.

Capable of achieving an enviable u-value (heat loss value) of just 0.12 W/m²K, UltraRoof is one of the most thermally efficient, lightweight roofing systems available. And, what's more, large full length glass units or Velux skylights can be incorporated into the design to facilitate overhead natural light and views of the skies above. Please see Glazing Options on pages 68-69 for the u-values of the various performance glass types that we offer.



Habi-Glass

VELUX

380
ultraRoof
engineered by ultraframe



SECURITY

PEACE OF MIND, BUILT IN

With one home in England and Wales broken into every seven seconds – the majority by forcing or kicking a door – your doors and windows are in the ‘frontline’ in the battle to protect your home from intruders.

All of our doors and windows are designed to give you and your home the highest levels of protection, featuring multi-point locking and reinforced frames.

We can also supply doors and windows to the Secured by Design Police Preferred Specification through our supplier Emplas, for accredited products please see:

<https://www.securedbydesign.com/member-companies/sbd-members> and search for Emplas Window Systems Ltd






idealwindowsolutions

Contact us now

See how **Ideal Window Solutions**
can enhance your home and add value

www.idealwindowsolutions.co.uk

Email: enquiries@idealwindowsolutions.co.uk

Visit our stunning Fareham or Chichester Showrooms



Fareham Showroom:

The Unity Building
Fort Fareham Industrial Site
Fareham,
Hampshire PO14 1AH

Call: **01329 238399**



Chichester Showroom:

8 Market Road
Chichester
West Sussex PO19 1JW

Call: **01243 790154**

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