



The
Complete
Collection

WINDOWS AND DOORS, MADE IN AND FOR, THE UK

Combining cutting-edge innovation and performance with elegant design and effortless style, our extensive range of PVC-U windows, doors and glazed extensions brings form and functionality to your home.

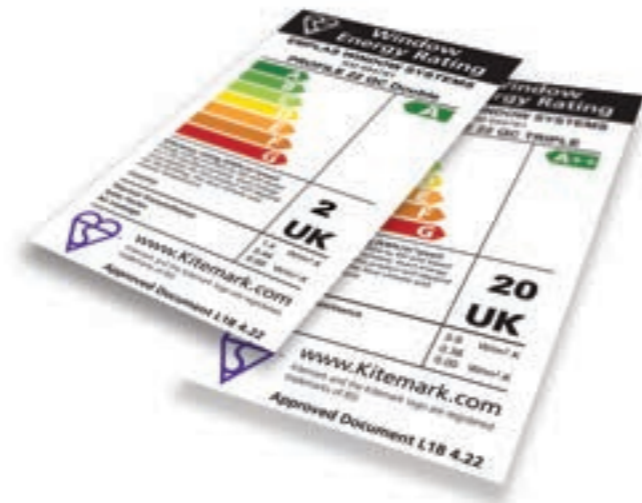
Offering the highest levels of security and energy efficiency, technology meets slim sight-lines and an extensive choice of finish to suit your home – each designed and manufactured in the UK.



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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 0.9W/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).



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?

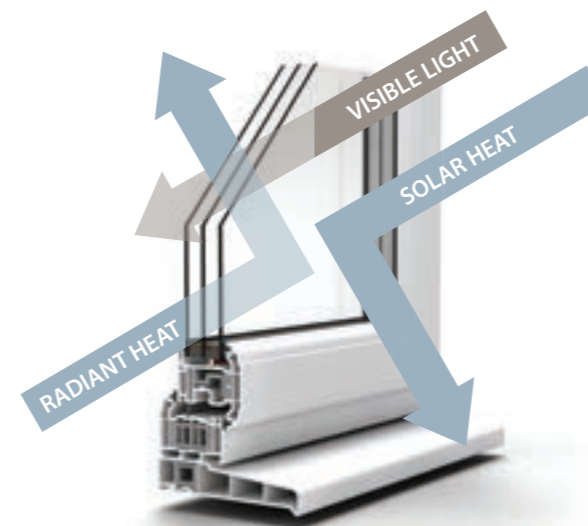


Glass

Glass is the single most important factor in defining the energy performance of your new windows and doors. Our glass supplier Pilkington, 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.



Pilkington



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 £13 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.

Our solid roof and roof glass options provide only the latest technology to ensure the lowest u-values and the greatest solar reflections options. This keeps the room warmer in the winter and colder in the summer and using your energy to heat and cool accordingly.

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).

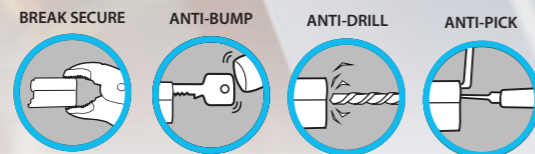
MAKING YOUR HOME MORE SECURE

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.

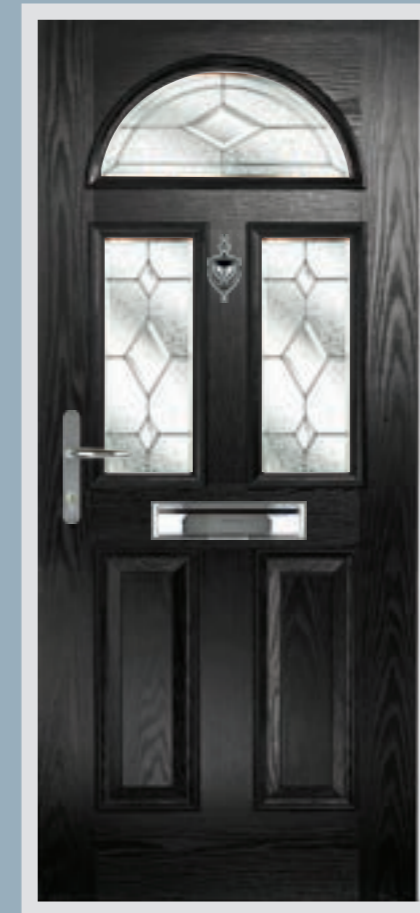
For added peace of mind, we also offer a number of enhanced security options, to upgrade your windows and doors to a level endorsed by the UK Police's, Secured by Design Scheme (see pages 66-67) - because your security and that of your home and family, matters.

Secured by Design



COMPOSITE DOORS

Our front and back door composite door ranges are supplied to a UK Police approved Secured by Design specification as standard.



Meets and exceeds all current building standards including PAS24:2016

Secured by Design



See page 66 for more details about Secured by Design



Robust handles manufactured from either stainless steel, zinc or aluminium



Laminated glass as standard as an additional burglar deterrent



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



Single piece door-keep and multi-point locking



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

WINDOWS

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



Secured by Design



EMPLAS



8-point locking (9 on larger sizes) providing the ultimate burglar deterrent



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



Patented bolt into the keep docking system prevents sideways movement of the bolt when under attack



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



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



Meets and exceeds all current building standards including PAS24:2016 (when dog bolts and laminated glass are selected where appropriate)



A CHOICE OF STYLE AND FINISH AS INDIVIDUAL AS YOUR PROPERTY

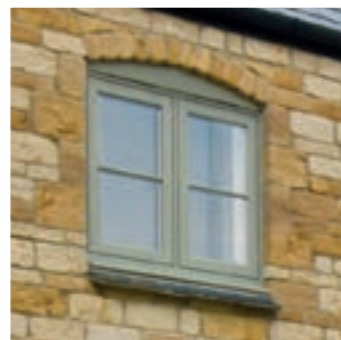
Your choice of window and door design, will help to define the character of your property. From country cottage and period features of traditional box sash windows, to bold statements and contemporary urban designs, all of our windows and doors can be tailored to perfectly complement your very own 'grand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

Window styles

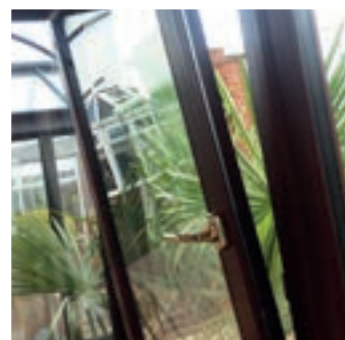
Our windows are manufactured Profile 22's new Optima PVC-U profiles - a classically sculptured (QS), a simpler, chamfered (QC) frame design or 'heritage' flush sash timber replacement. Each offering the highest levels of energy efficiency and slim stylish sightlines. Whatever your choice for your property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



Casement



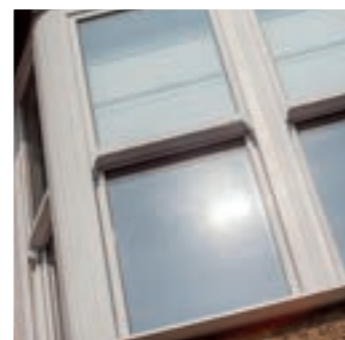
Flush casement



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.

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 £13 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 -values as low as 0.9W/m2K
- 9** High security 8-point locking (9 on larger sizes) providing the ultimate burglar deterrent. Patented bolt into the keep docking system prevents sideways movement of the bolt when under attack
- 10** Meets and exceeds all current building standards including PAS24:2016



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

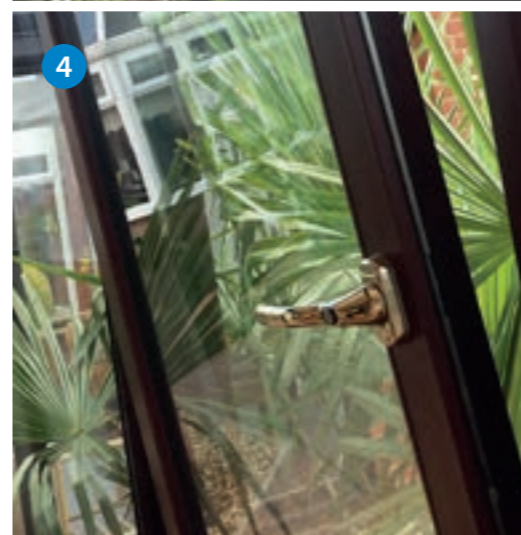
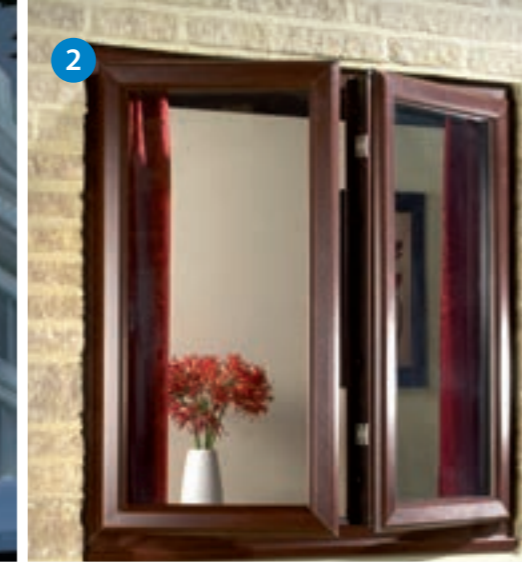
Sculptured detailing offers a more traditional decorative finish replicating the curves found on traditional timber windows.

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.



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 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.

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. Tilt-and-turn windows are also available in a flush finish.

5 FULLY REVERSIBLE

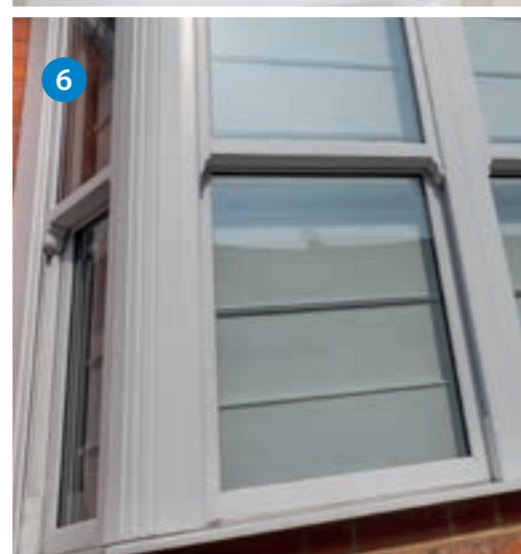
Like tilt-and-turn windows, fully-reversible windows are great where access for cleaning can be a problem rotating 180°. This advanced solution is also available in a flush casement finish.

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 eight-point locking as standard and nine point locking on larger window sizes. 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
- Colour-coded** push button & screw cover cap
- Corrosion resistant** tested to BSEN1690 grade 5 salt and ammonia attack. Ideal especially in coastal areas
- Push to release** locking mechanisms
- Secure** key locking
- Attractive** flush fitting push button
- 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

Secured by Design
EMPLAS

Chrome



Satin
Gold
White
Black



10 - YEAR
GUARANTEE



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.

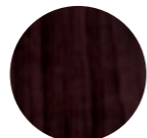
All colours are a visual representation only.



White



Cream



Rosewood



Light Oak



Anthracite Grey



Black Brown

*Colours above show our standard colour range available for windows. Additional colours available upon request see page 33



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 0.9W/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 Pilkington. 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.



TYPICAL WERS

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

- * Except Flush Casement Window
- ** Except Flush Casement Window and Vertical Sliding Sash

TYPICAL U-VALUES

Achieves 1.4 W/m2K with double glazing*
Achieves as low as 0.9 W/m2K with triple glazing**

- * 1.4 W/m2K on flush casement window
- ** Triple Glazing not available on Flush Casement Window or Vertical Sliding Sash Window



FRONT & BACK DOORS

In closing your front door behind you at the end of the day, you also shut out the stress and strain of the working day.

It makes your home a place to unwind and relax; a place that's safe and secure for you and for your family. An entrance door protects your home and everything that's important to you inside it.

That's why all of our entrance doors are manufactured from robust, tough and only the most durable materials, featuring, high security locking mechanisms and toughened glass.

Our PVC-U and Composite entrance doors can also be supplied with sidelights, space permitting, helping you to make more of the entrance to your home.

Offering superb weather sealing and minimal maintenance, you would struggle to buy a better door.



Secured by Design



EMPLAS



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 PAS24:2016, the Building Regulations Security standard.

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

PVC-U PANEL FRONT AND BACK DOORS – TECHNICAL OVERVIEW

Our PVC-U infill panel doors, like our composite front and back doors (see pages 36 - 37) employ cutting-edge innovation to keep your home warm, secure and weathertight.



- 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 plus Secured by Design options
- 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 33
- 10** Meets and exceeds all current requirements under building regulations
- 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 Kara Zinc 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**



KENSINGTON

The Kensington is another classic door design. Suited to use as either a front or back door, it features two half ledged 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 32 for Hardware & Page 33 for Colour options

Door featured with Stippolyte glass

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.



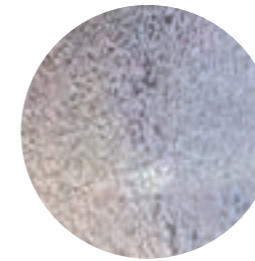
Everglade™



Pelerine™



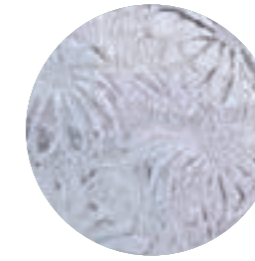
Charcoal Sticks™



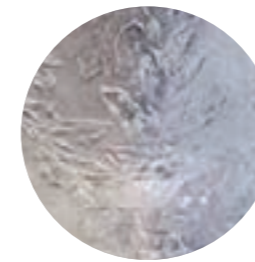
Contora™



Florielle™



Mayflower™



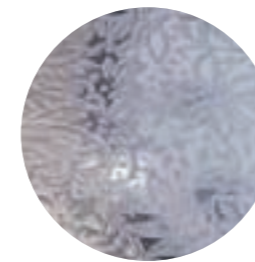
Oak™



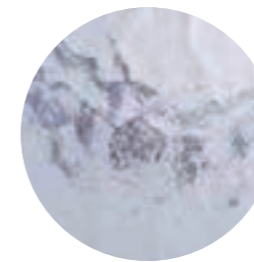
Digital™



Taffeta™



Chantilly™



Minster™



Warwick™

Door featured with Everglade™

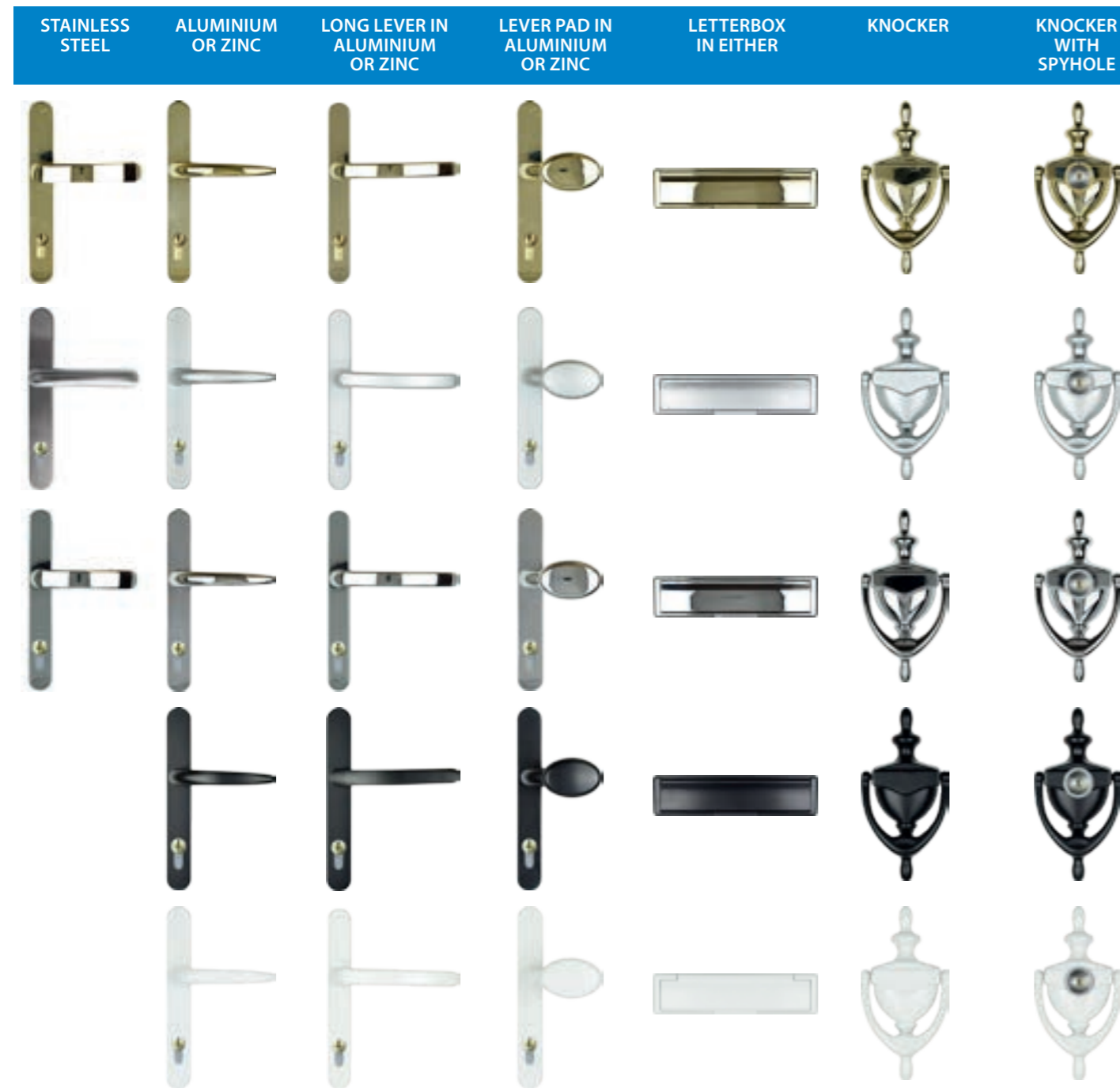
Door featured with Contora™

Door featured with Charcoal Sticks™

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 (composite door only) 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 handed 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, 1st column above. A 10 year guarantee is only available in aluminium or zinc on black and white powder coated handles.

Appearance and finish on hardware is subject to change.

COLOUR OPTIONS

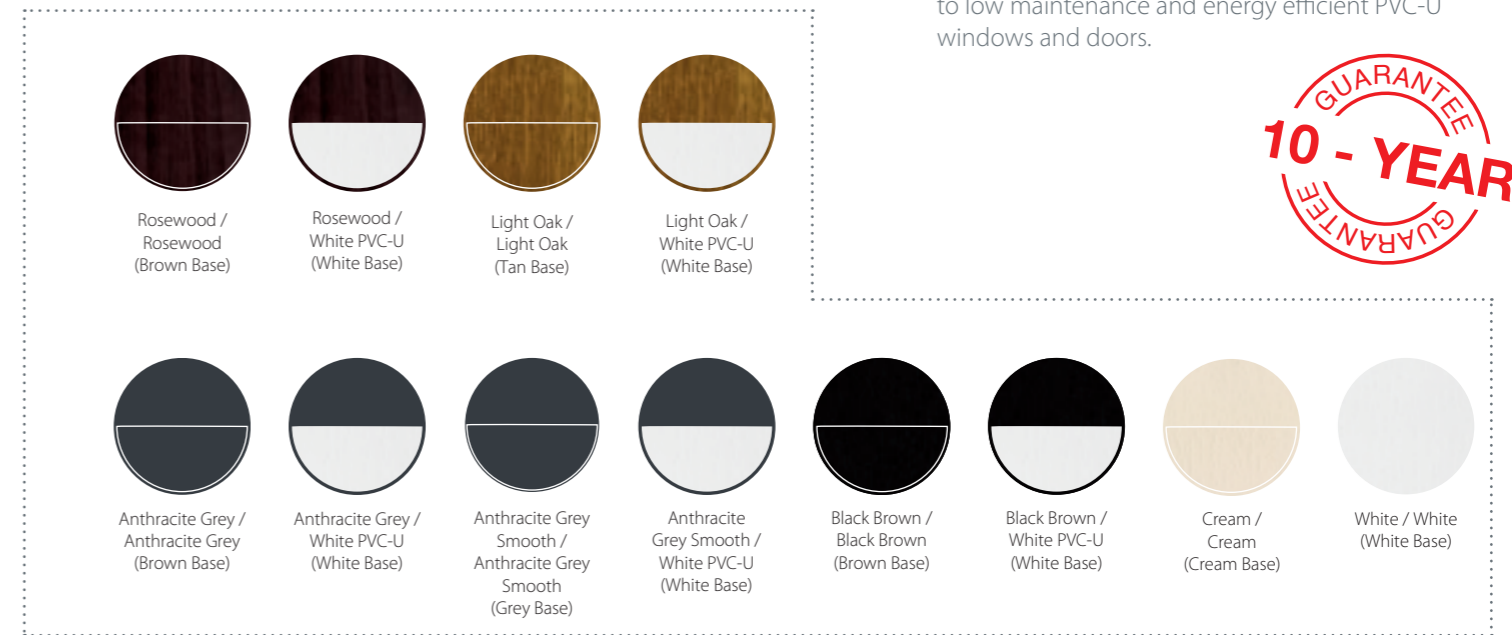
Colour is a powerful design tool.

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.



COLOUR CODES/ COLOUR MATCH

The colour match data is given in good faith.

Please note that RAL colour codes are the nearest match only and, therefore, not exact matches with the foil.

NOT ALL DOORS ARE MADE EQUAL

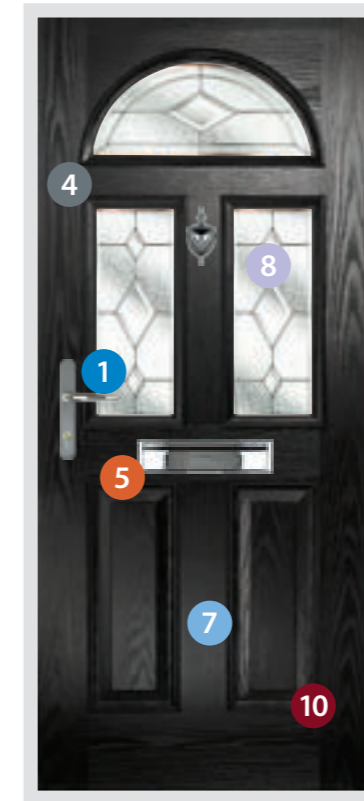
Our composite doors combine the latest innovations, to keep your home warm and secure, whatever the weather.

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.

Manufactured to the British Standards Institute kitemark accreditation for Quality Management, BS19001, they're also built to last.

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.



Secured by Design



1 SECURED BY DESIGN LOCKING

Our doors are manufactured to the highest security standards, featuring police approved Secured by Design 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 including PAS24:2016

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 seven through-colour standard finishes or a choice of 36 bespoke 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 32)

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

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 AND SECURED BY DESIGN GLAZING

Our doors feature the latest in energy efficient double and triple-glazed glass technology manufactured to the British Standard BS1 EN1279 to keep your home warmer. All our doors include Secured by Design laminated glass as standard ensuring zero access to potential burglars

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 British Standards



ELEGANCE AND ELEGANCE ARCH

Simple and understated, Elegance makes the perfect choice as either a front or back door. Half-glazed it allows light into your home but balances this with a solid bottom panel. It's available in either square or arched glazed options.



Elegance
Stippolyte Glass

Elegance Arch
Kara Zinc Glass
Features long lever handle in gold

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.



Style: **Esteem Solid**
Colour: **Black**
Hardware: **Chrome including lever/lever handle**

ESTEEM SOLID

The classic front door, Esteem exudes taste and sophistication. Equally suited to modern or period properties, it offers a sympathetic match to traditional Victorian and Edwardian doors. It has a reassuring and substantial feel.



Style: **Esteem Half-glazed**
Colour: **Blue**
Glass: **Scotia Zinc**
Hardware: **White including lever/lever handle**

ESTEEM

Half-glazed, Esteem exudes the same taste and sophistication of the Esteem Solid and is again equally suited to modern or period properties. Still substantial and reassuringly solid, single or twin top lights bring a light airy feel to your home.



Style: **Eclat**
Colour: **Rosewood**
Glass: **Scotia Zinc**
Hardware: **Gold including lever/lever handle**

ECLAT

Defined by a large top light, the Eclat offers flexibility and choice with multiple design options. Half-glazed, the large top light sits above two panel lights bringing a focal point to your hallway, also letting plenty of light inside.



Style: **Eclat Arch**
Colour: **White**
Glass: **Andorra Zinc**
Hardware: **Satin including lever/pad handle**

ECLAT ARCH

This door has real gravitas. Featuring a square or arched top light only, the Eclat delivers substance and security. Emulating Regency styling, it's the perfect option for new or period properties.

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 from the simplicity of privacy glass to the detailed, beautiful and intricate leadwork and crystal of Andorra.

All come as triple glazed, as standard. 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. Laminated glazing means our composite doors are Secured By Design approved, as standard.

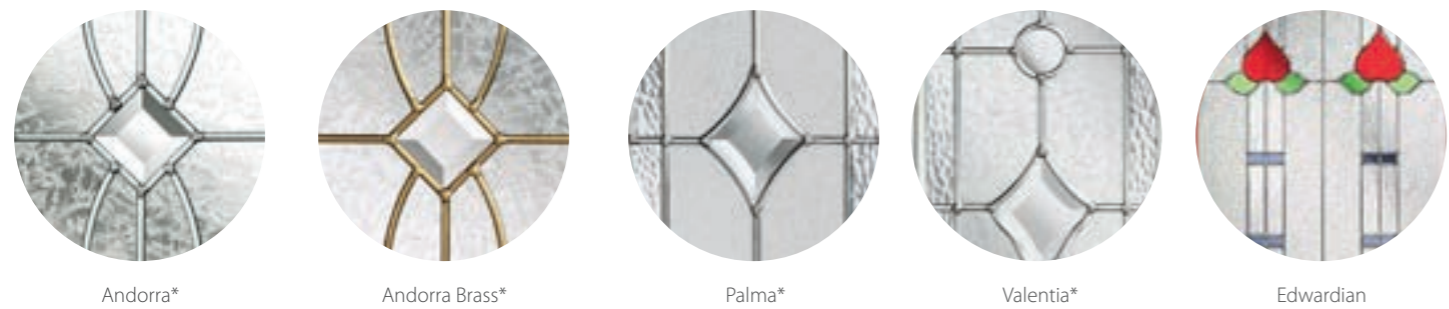


Triple glazed,
Secured By Design
laminated glass as standard

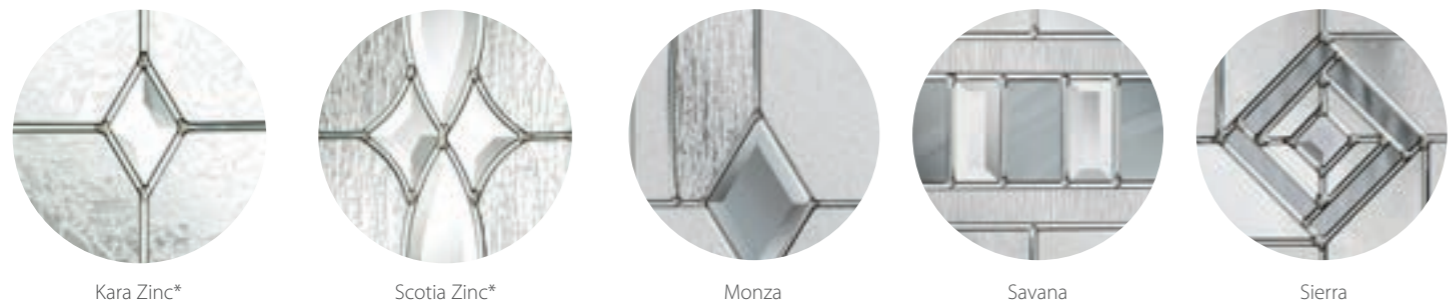
Classic colour



Premium



Classic



Autograph

Prestige



Premium Colour

COLOUR OPTIONS

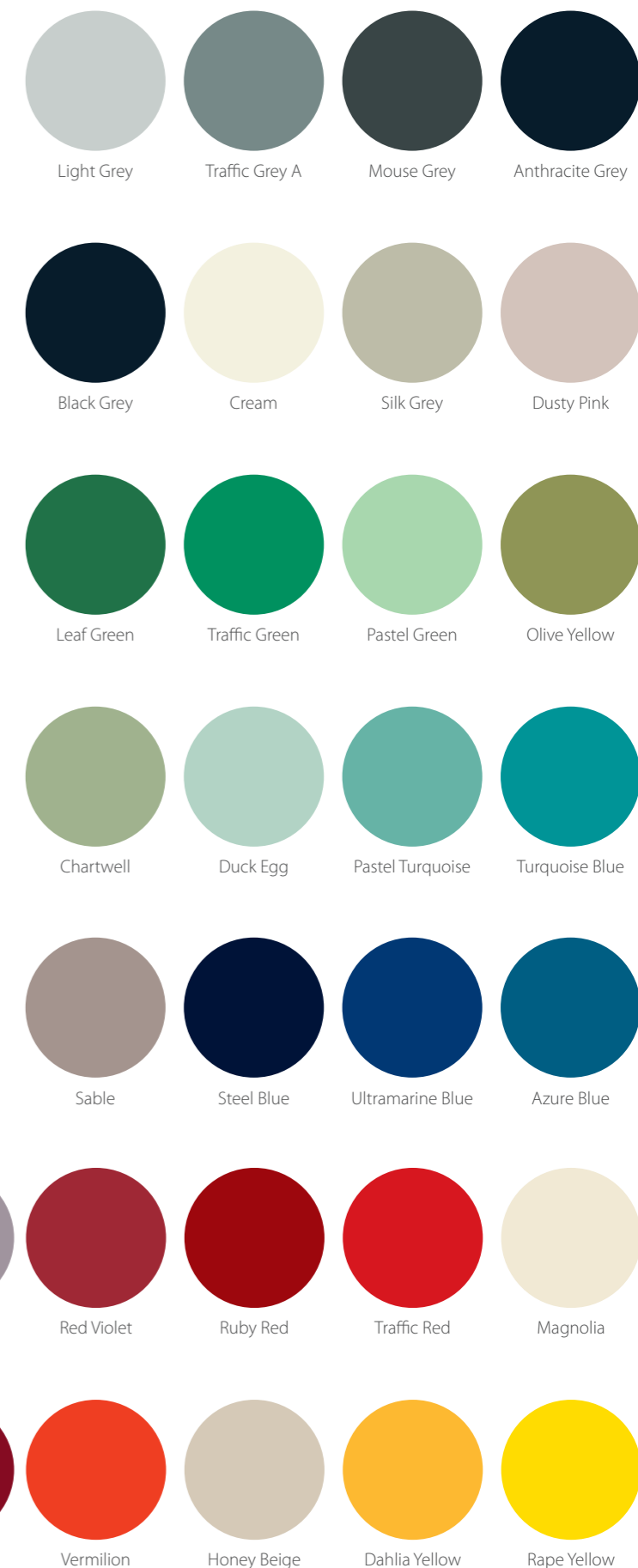
Open the door to colour

When it comes to your choice of colour there are no hard and fast rules. With our wide choice of standard and bespoke colour and finish options, from the classic black door to heritage Duck Egg or Coastal Blue, you'll find the perfect colour match for your home.

Standard colours



Bespoke colours



Colours shown should be used for guidance only as the limitations in the printing process, may mean that colours vary from those illustrated.

* All glass types with an asterisk feature clear bevels, whilst others show obscure bevels in grey only. All door styles are also available with fully clear or obscure double glazed Pilkington options (see page 31).

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.



PatioMaster
IN-LINE SLIDING PATIO DOOR



- 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 33)
- 4** High performance energy efficient A-Rated 28mm glazing as standard
- 5** Two three or four pane options
- 6** Energy Efficient recycled composite material or full steel reinforcement options
- 7** Six point locking system with anti-jacking technology for outstanding security as standard
- 8** Security head rail prevents the sliding panel being lifted off the track
- 9** Police approved Secured by Design option featuring anti-bump cylinders and interlock bolts
- 10** Low track low threshold options for ease of access
- 11** Weather seals prevent draughts and leaks

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 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 33) 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



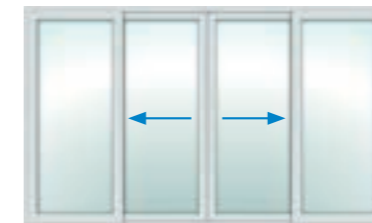
3 PANE OPTIONS



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



Optima
BY PROFILE 22 SYSTEMS



- 1 70mm slim sightline frame featuring sculptured and chamfered options plus extensive choice of colour and finish options (see page 33)
- 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 and triple-glazed glazing options featuring warm-edge spacers and low-e coatings to achieve WERs of up to A++ and -values as low as 0.9W/m2K
- 9 High security multi-point locking system providing the ultimate burglar deterrent
- 10 Meets and exceeds all current building standards including PAS24:2016

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.

THE ULTIMATE WAY TO HARMONISE YOUR HOME AND GARDEN

Bi-folding doors are a great way of connecting your home to your garden and the world outside. With an effortlessly stylish and sleek architectural quality our slim sightline, high security aluminium bi-fold doors bring cutting edge innovation to your home.

Connecting interior and exterior spaces, they feature the highest levels of security, energy efficiency and weather performance by default.

TECHNICAL OVERVIEW

- Slim aluminium frames mean frames and glass can be larger, maximising light and spanning larger areas with fewer door uprights to interrupt views
- Available in two to six panel options
- Smooth, easy glide rolling system
- High security multi-point locking system
- Anti-bump, anti-pick and anti-drill door cylinder option
- 'Push' flat/open intermediate door handle sitting flush with frame
- Low threshold option
- Low maintenance – frames won't warp, rust or twist
- PAS24:2016 accredited

COLOUR OPTIONS

Our aluminium bi-folding doors are available in any RAL colour. It means that you can select the perfect complement to your property and existing glazing from classic white to contemporary greys.

HANDLES

Manufactured from high quality materials our range of ergonomically designed premium quality handles put the finishing touch to your bi-fold door. Choose from Black, White, Silver and Chrome finishes.

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

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.

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



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 (see pages 42-43 and 46-47)
- 10** High security, energy efficient windows designed to match a range of contemporary colours or low maintenance woodgrain finishes (see page 33)

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.



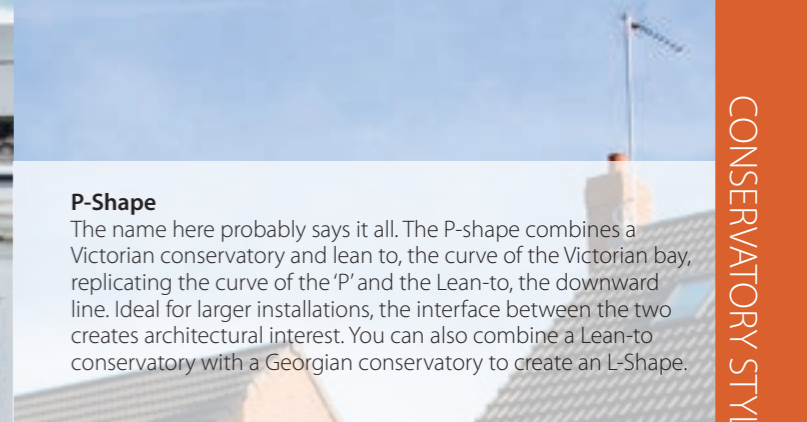
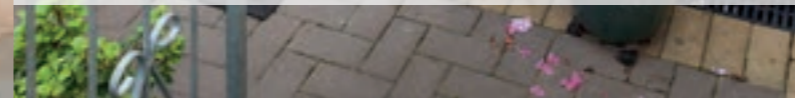
Georgian

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.



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.



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.



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.



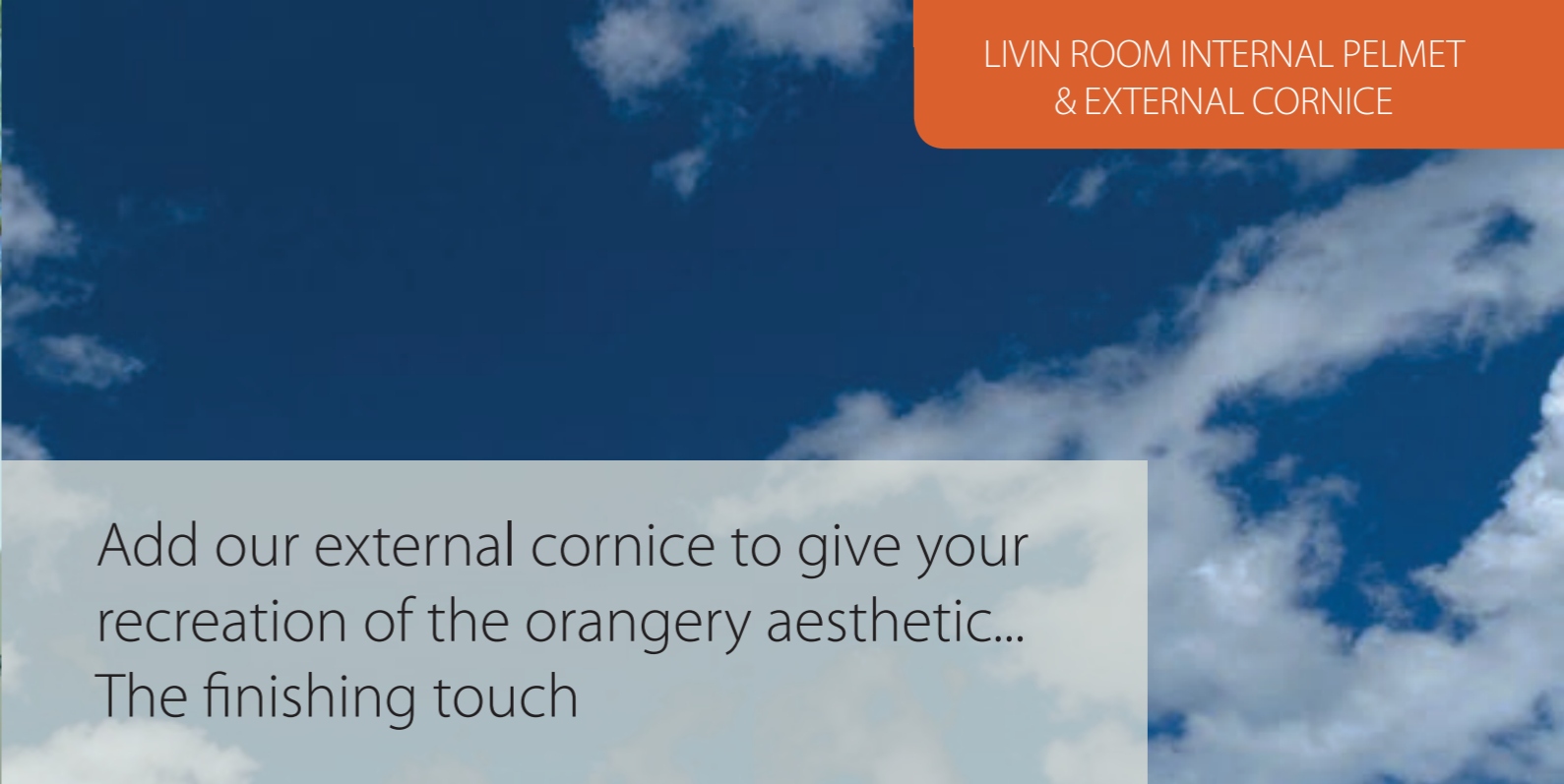
Victorian

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.



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.



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

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).

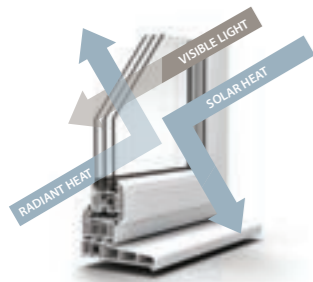


GLASS OPTIONS

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!

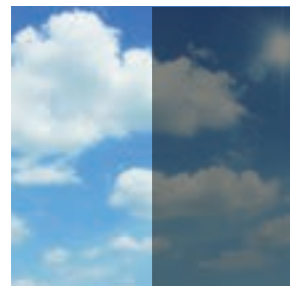
SELF-CLEANING GLASS

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

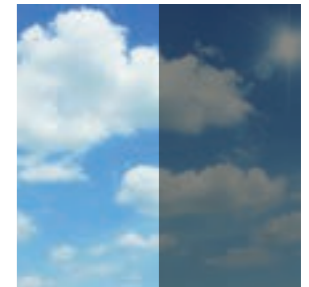
Too much bright sunlight can create an uncomfortable glare. Our conservatory glass range includes special tints to control the amount of light entering your new living space. It means regardless of your planned use, dining room, kitchen, lounge or office, you can choose a level of natural light that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



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.

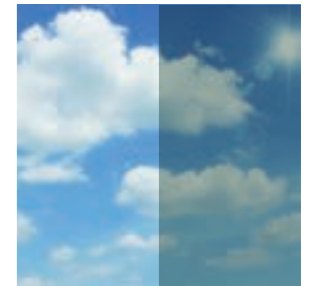
Product	Light Transmission	Solar heat reflection	Self cleaning
Max/Low E	8%	91%	N/A



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.

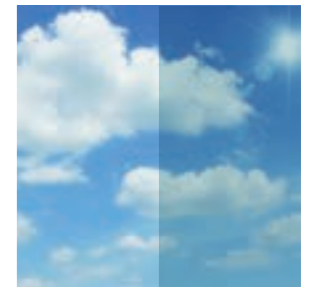
Product	Light Transmission	Solar heat reflection	Self cleaning
Emerald/Low E	43%	78%	✓



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.

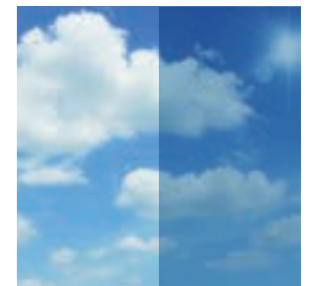
Product	Light Transmission	Solar heat reflection	Self cleaning
Blue/Low E	47%	60%	✓



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.

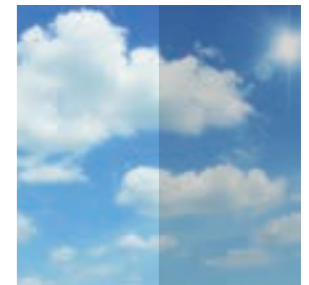
Product	Light Transmission	Solar heat reflection	Self cleaning
Blue/Low E	27%	80%	✓



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.

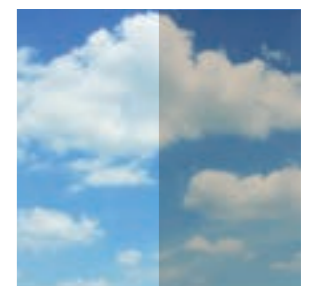
Product	Light Transmission	Solar heat reflection	Self cleaning
Natural/Low E	42%	60%	✓



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.



The UltraSky Lantern Roof and Deck

An ingenious pre-fabricated timber deck system recreates the traditional orangery construction but with far greater precision and increased affordability. Sitting on top of brick pillar work, it forms the basis of a perimeter deck, which then sits around an UltraSky Lantern Roof.

The UltraSky Lantern Roof and Deck system creates a light and spacious internal space but the more solid construct increases flexibility for uses including a kitchen, dining room or living room.



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





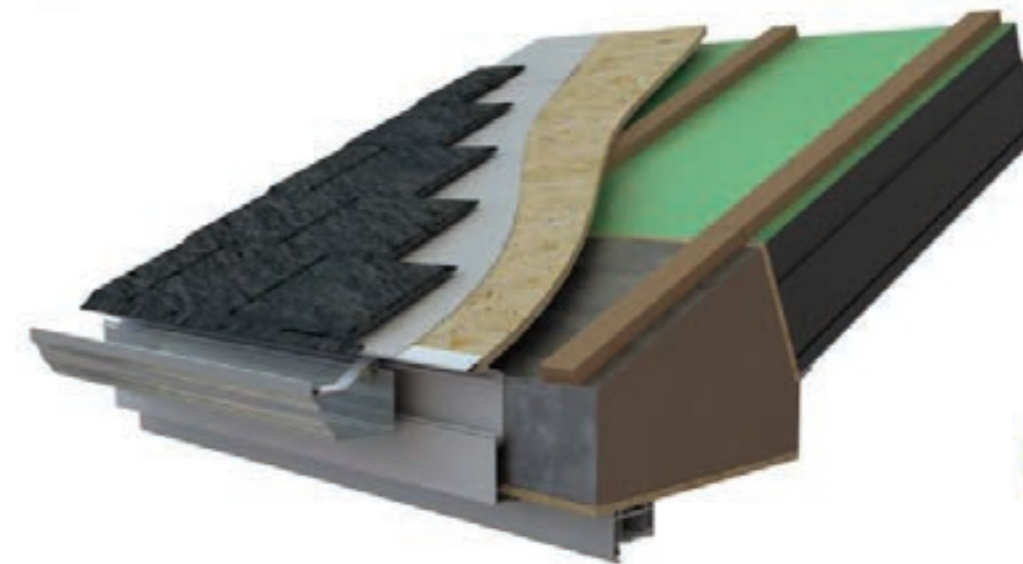
THERMAL EFFICIENCY

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 page 59 for the u-values of the various performance glass types that we offer.



Habi-Glass

VELUX®

380
ultraRoof
engineered by ultraframe

SECURED BY DESIGN

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 an enhanced security, Police accredited Secured by Design Specification, in areas where security is a particular issue or for parts of the home potentially vulnerable to attack.

All of our composite front and back doors are supplied to a Secured by Design standard - as standard.

This means that they meet not only the requirements for door security set out in PAS24:2016 and Part Q of Building Regulations but have been independently tested as doing so, as defined by the police approved Secured by Design scheme.



ACCREDITATIONS AND REGULATIONS

Our door and window ranges are manufactured to the highest standards in compliance with controls set out in British Standards ISO9001, which ensure a commitment to consistent product quality.

Meeting and far exceeding current UK Building Regulations, your new windows, doors or conservatory are future-proofed for years to come.

OUR COMMITMENT TO THE LATEST REGULATIONS AND STANDARDS

- PAS24:2016, enhanced security for doors*
- Part M, (Access to and use of Buildings) compliance*
- Part Q (Security: Dwellings) compliance
- Part L (Conservation of Fuel and Power), compliance
- ISO 9001, Quality Management System approved to ISO 9001:2008
- Environmental Management Policy approved to ISO 1401:2004
- Health and Safety management policy approved to ISO 18001:2007
- CE Marking approval
- Secured by Design (SBD)*
- U-Value reports independently provided by BuildCheck

*Optional specially selected product configurations only



PEACE OF MIND BUILT IN



PAS99:2006
IMR 566162



ISO 14001:2004
EMS 566160



BS OHSAS 18001:2007
OHS 566161



ISO 9001:2008
FM 12731



PAS24/SBD
PVC-U WINDOWS
KM 33513



PAS24/SBD
PVC-U DOORS
KM 501528

