



**WESTBURY**  
WINDOWS & JOINERY

**“Quality in a service  
or product is not just  
what you put into it.  
It is what the customer  
gets out of it.”**

Peter Drucker  
Management consultant, educator and author

Rather than tell you that our windows, doors, and roof lanterns are the best because that's what every company would say. Instead, we wanted to show you that choosing Westbury will set your home apart from the norm.

It's the balance, the design, and the proportions that make Westbury exemplary within our industry. Our years of experience have given us the understanding and expertise of what it takes to make a home not only aesthetically pleasing but also make it feel truly special.

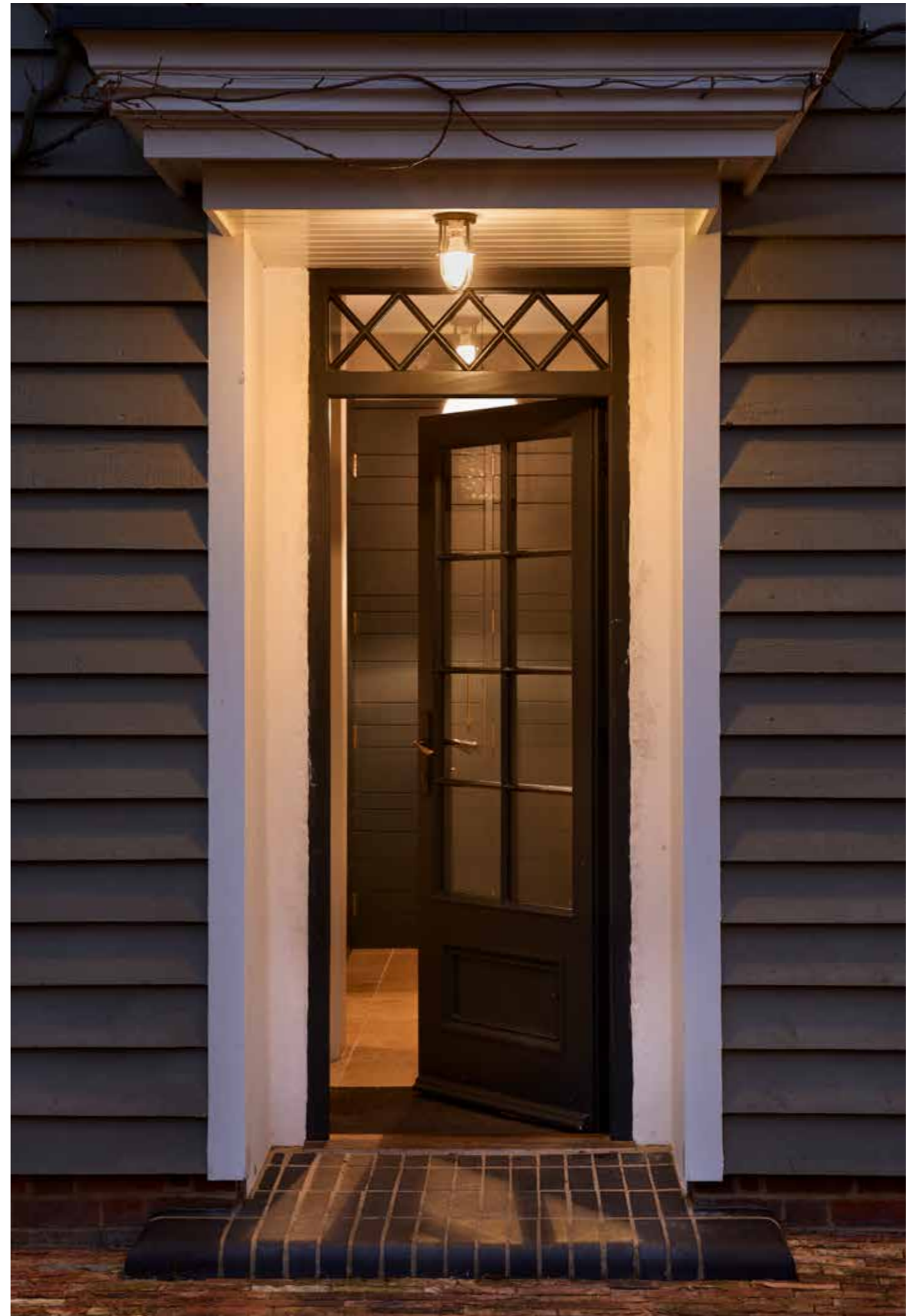


## ENTRANCE DOORS

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The front door is the first thing that visitors see when they arrive at your home, so it makes sense that you'd want it to make a great first impression. Making you feel secure and your guests feel welcome, your front door should be sturdy, elegant and provide flawless functionality.

Westbury timber entrance doors deliver both form and function. They provide a soft close, draught exclusion, British made ironmongery and high-performance paint, in the colour of your choice.





## FRENCH WINDOWS

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In France they're known as portes-fenêtres, which means 'windowed doors' or 'door-sized windows'. As the translation suggests, some French windows can be tall enough to walk through, like a door.

With no central post (mullion) the French casement window is the perfect choice to provide uninterrupted views of your surroundings. They are elegant, timeless and allow an abundance of natural light to flow into your home.





## SASH WINDOWS

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During the Georgian period, sash windows were considered a sign of prestige and wealth, a status they still hold to this day. Beautifully crafted timber sash windows offer classic style and traditional design, with the benefits of modern technology.

The real beauty of the sash window is the scale, size, and abundance of natural light they allow to flow into your home. Externally, their alluring aesthetic and unrivalled depth of character will give your home an especially unique look and feel.

Westbury sash windows will always slide open with ease and smooth movement. Offering exceptional security, thermal and acoustic performance.







## FRENCH DOORS

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The origins of French doors can be traced back to the French Renaissance. At this time, architecture gave great importance to symmetry, proportions, geometry, and regularity. Glazed French doors soon replaced the solid wooden doors between two rooms due to their ability to allow natural light to flow into a room.

Westbury French doors are traditional in appearance, similar to these early styles but give technologically advanced benefits. Simple, elegant sight lines and a flush finish encase a host of innovative technical features that result in a beautiful design with outstanding performance.







## ROOF LANTERNS

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A roof lantern will bring natural light, space and height into your home whilst also making your room look and feel bigger. Offering beautiful and expansive views of the sky above, there's certainly something undeniably pleasant about a room that is flooded with light.

The clean lines and symmetry of a roof lantern create an incredible architectural impact when viewed from inside or out. Crafted from timber on the inside and aluminium on the outside our Roof Lanterns are designed with correct proportions, spacing, balance and rhythm, they consider the depth of the shelf, beam dimension and hip shape. The result is an impressive, balanced design, making it easy on the eye.





## CASEMENT WINDOWS

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Over the years, casement window designs have evolved significantly, their size, shape, and overall design can tell a lot about the time during which the window was manufactured.

Great casement windows are only great because they have been well fenestrated and proportioned (pane size) with the building. Depth of glazing bars and decorative mouldings add a beautiful interest to the windows, giving them character and style.







## GARAGE DOORS

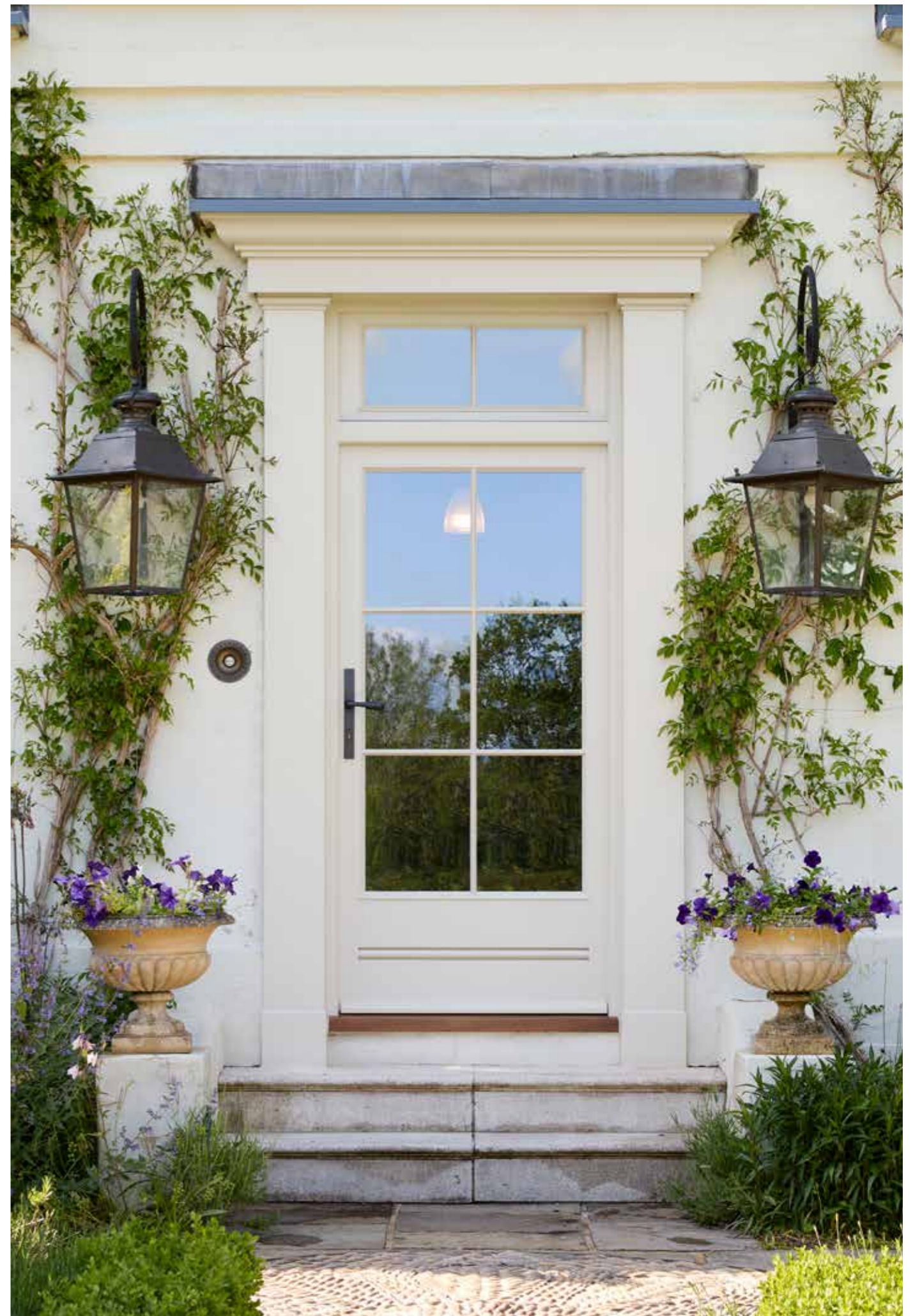
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Stylish timber garage doors can significantly change the external aesthetic of your home and boost its curb appeal. All too often we see modern steel or GRP garage doors ruining the look of a property.

Solid timber garage doors give both a stylish traditional appearance with the benefits of modern technology and security. Design elements such as decorative ironmongery and glazing can make your garage doors a real feature on your property.











## INTERNAL DOORS

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Westbury internal timber doors are beautifully formed from an engineered redwood, giving them a traditional appearance.

They are made to measure with either hinged or smooth sliding pocketed options. Panel styles and colour options give the doors a durable and flawless finish that will suit your tastes and transform the interior of your home.

Glazing where possible provides intrigue to pantries and shares light and space with other rooms, whilst non-glazed gives privacy for bedrooms and bathrooms.









## SUSTAINABILITY

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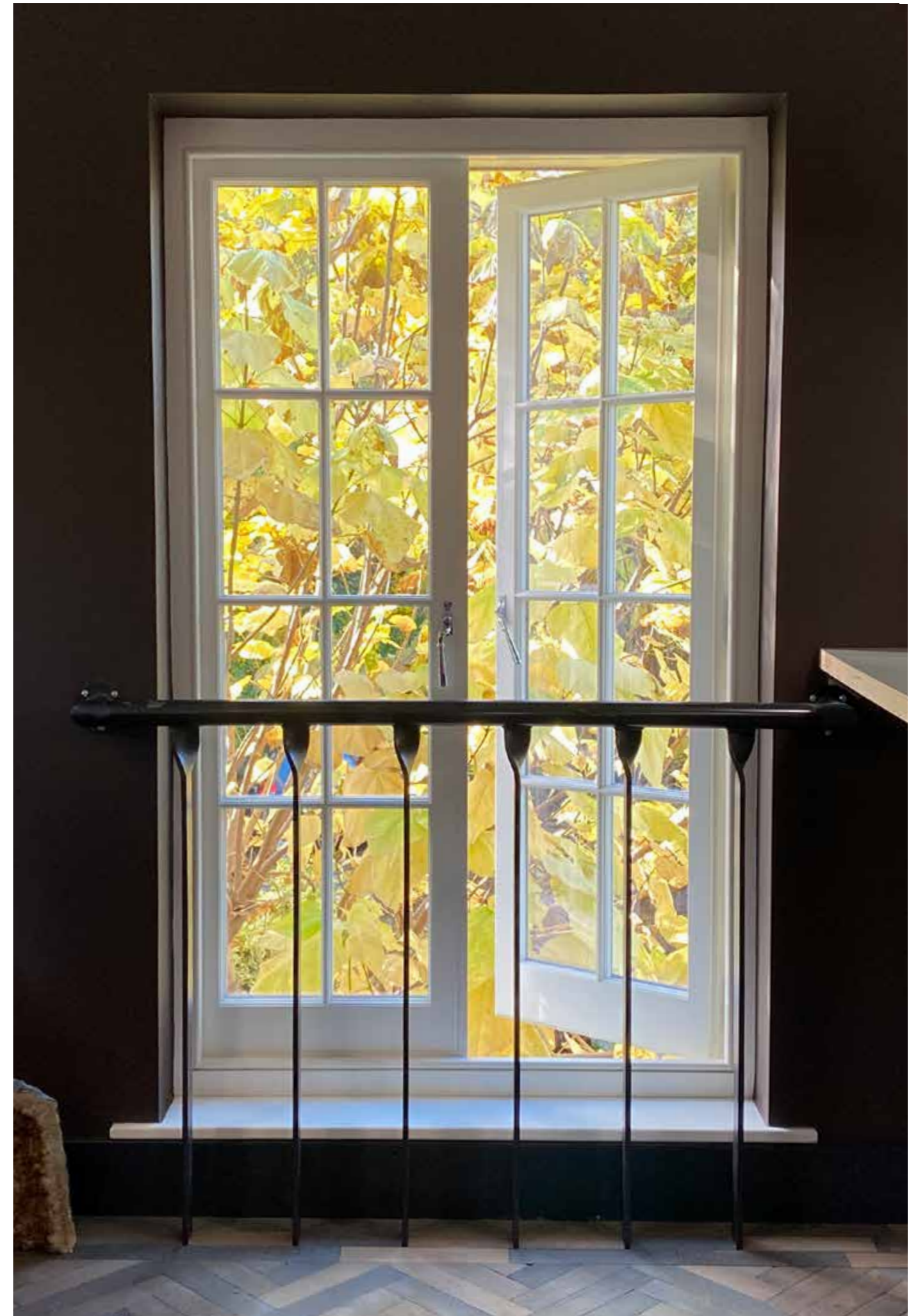
**The masterful balance of meeting our needs, without jeopardising future generations' ability to do the same.**

At Westbury, sustainability isn't another trend we've jumped on board with, but a culture of regard and respect that we live and breathe into each decision we make. Over the years significant ecological aspects have joined the design, material, and social aspects of this culture.

We choose to invest our energy into designing and manufacturing here in the UK, as well as sourcing FSC certified timber, and local building materials in bulk. Minimising the environmental impact of importation from distant suppliers, whilst simultaneously supporting our local communities.

Our talented workforce shares our ethos in building a sustainable world through designs that are developed with quality, longevity, and efficiency in mind.

For more information please visit:  
[westburyjoinery.com/about-us/sustainability](https://westburyjoinery.com/about-us/sustainability)





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**WESTBURY**  
WINDOWS & JOINERY

# Technical Specifications

Including Visual Glossary

**WESTBURY**  
WINDOWS & JOINERY

# Thank you for your interest in Westbury.

Our premium quality timber windows, doors and roof lanterns are manufactured in our state-of-the-art factory in Essex.

Our products provide a traditional look with modern functionality and are designed with durability, stability and low maintenance in mind.

This book is designed to provide you with all of technical information that you need when researching and comparing our products.

We hope that you find everything that you need, but please do let us know if you should have any further questions about our products or services.

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01

# About Us

Premium quality timber windows, doors and roof lanterns designed with stability and durability always in mind.

## QUALITY & HERITAGE

We have been supplying bespoke joinery to architects, developers and aspirational homeowners for over 25 years. In that time, we have developed an impressive reputation for product design and durability.

We manufacture a large range of traditional and contemporary windows, doors and roof lanterns to suit both conservation and modern fenestration projects.

Our ethos, taken from our sister company Westbury Garden Rooms, has always been to build to a standard, not to a budget. At each step of the way we use the best materials that are currently available, to ensure that the end product is truly the best it can be. The whole process is part of a highly refined system, from the sourcing and engineering of our primary timber Accoya<sup>®</sup>, to applying the final coat of technically advanced paint by Teknos.

Our highly refined system means that we are able to produce premium products without compromising on design, aesthetics, performance or security - giving you the best value for money. When looked after correctly, Accoya<sup>®</sup> will have a minimum lifespan of 60 years and more.

## WESTBURY PRODUCT GUARANTEE

All of our products are manufactured in our UK factory and our guarantees ensure that our windows and doors will last for many years.

Our products come with a 10 year product guarantee. As a prerequisite of this guarantee it is expected that the products are treated respectfully and that the timber frames are washed down at least twice a year.

- 10 Year Glass
- 10 Year Hardware
- 10 Year Weather Seal
- 10 Year Paint



## THINGS YOU NEED TO KNOW

**All of our products are designed and made to order - ensuring they meet your exact requirements and specifications.**

Every door and window, although different in appearance, is made to our approved system to ensure consistency and reliability. In doing this, we can be confident that everything we make meets our exact standards.

Our timber windows and doors provide a traditional look with modern functionality. They are high quality and low maintenance. We have an excellent understanding of all styles of houses, and have fitted windows on many different types of property including stone, brick, cladded, weather-boarded and more.

We are experienced in completing works on heritage properties and listed buildings. Our windows and doors are suitable for both new build properties and refurbishment projects.

If your property has special requirements, please contact us and our expert team will be happy to advise you.

## UNIQUE DESIGN FEATURES

**Following a carefully thought through design process ensures that our windows and doors are technically superior whilst achieving a traditional appearance.**

This starts at the point of product design, from the choice of materials used, to the engineering and craftsmanship that goes into manufacturing our products.

## RESEARCH & TECHNIQUES

We have spent a long time researching and looking into the latest techniques and materials that have the quality and environmental credentials to satisfy both our customers and construction legislation, now and in the future. The result is a superb range of timber windows and doors, built in Britain for British architecture, that look as good as they perform.

At the point of printing, Westbury are the only company in the UK (that we are aware of) manufacturing windows and doors with a standard frame depth of 115mm and sashes with a depth of 68mm. This means our products can incorporate a much thicker and wider choice of energy efficient and sound reducing glass, including triple glazing options.



Both the casement/door and the frame contain continuous weather seals, providing the ultimate weather seal resistance and soft closing action whilst improving the thermal and weather performance of the window or door.



By designing our timber frames and sashes with deep inside to outside profiles, we improve the thermal performance through the wood components. This enables us to offer independently tested and authorised energy saving products with excellent whole product U-Values.



Our beautiful deep moulded sashes and doors with internal glazing bar and sash profiles are reminiscent of an earlier age. We create a traditional flush, tight joint with high strength by using a combination of counter profiling and multi-dowels.

## 02

# Materials



All of our products are made with quality, longevity, durability and sustainability in mind.



## MATERIALS : TIMBER

**We use premium grade, knot-free engineered timber from sustainable sources. Our timber is a combination of Redwood and Accoya® laminated sections, which provides excellent stability and a superior finish.**

Elements vulnerable to the weather such as cill extensions, are manufactured from solid Accoya®, giving outstanding durability and stability due to its water-resistant properties.

These premium timbers have extremely low thermal conductivity, coupled with specially formulated bonds and strong joints, which ensure the highest standard of finish.

## ACCOYA AND REDWOOD

**Accoya® is a modified timber that is dimensionally stable with a class one durability status (matching or exceeding most hardwoods). It is water resistant, virtually rot proof, doesn't swell, shrink, twist or warp and there is very little to no movement in the joints meaning that it not only looks better for longer, but also requires less maintenance.**

Created from fast-growing, FSC® certified Radiata pine, Accoya® is an environmentally friendly material. The modification involves a non-toxic process, which improves the timber's durability, stability, and service life. The by-products are re-purposed so there is no waste, and the end product is totally recyclable.

We use Accoya® for all external faces of our products, including glazing bars, glazing beads and some cills to give outstanding durability and stability.\*

Our Redwood is also sourced from FSC® or PEFC certified forests. This slow growing timber gives an attractive and smooth grain. Used for the interior of our products, Redwood's natural tight grain gives a superior moulded and painted finish.

\*For more information on this unique material, please visit [www.accoya.com](http://www.accoya.com)



## MATERIALS : PAINT

**We choose the paint, so all you have to do is choose the colour.**

All of our windows and doors are treated with a three-coat, spray-applied, microporous paint system made by Teknos. This system enhances the longevity of our products, meaning you should not have to repaint them for 10 years or more. To fully benefit from this longevity you are required to wash down the timber frames at least twice a year.

The paint is made up of a water and plastic combination. After application the water evaporates, leaving a highly durable, protective skin. Our standard finish is 3 coats at 120 to 150 microns per coat which provides the equivalent of approximately 10 brush coats.

Our most popular colour is Westbury White. However, we have a full range of colours available for you to choose from. We also offer a dual colour finish at an extra cost. See our colour chart for more details. We would also recommend visiting one of our showrooms to see our paint colour choices first hand.

## TEKNOS

**Teknos strive, in every possible way, to help customers find the ideal solution for their particular purposes. They continuously develop their product range to ensure the best possible customer satisfaction.**

Combined with their wide knowledge and history of providing industry-leading quality for decades, we are confident in the Teknos product range and their ability to provide the best finish for our products.



## MATERIALS : IRONMONGERY

Our ironmongery is made and manufactured to the highest of standards from high grade metals for heavy duty use.

Ironmongery needs to feel secure, solid and functional and yet remain visually attractive. Where possible, our ironmongery is British made and we do not seek to use cheap imports. A solid brass British-made hinge is a great example of how injecting quality into even the smallest of details can make a difference to the bigger picture.

For our window and door handles solid brass is fitted as standard. Other finishes may be available on request, please ask us about this if required.

In 2015 a new security test standard, known as PAS24, was introduced to the Part Q building regulations. Despite only being applicable to new dwellings, we had all our windows and doors tested to ensure they meet this specification and offer safety, security and peace of mind, for all homes, whether new or old.

Talk to us about Ironmongery options for your project.



Our timber windows provide a traditional look with modern functionality. They are of high quality and low maintenance.

## CASEMENT WINDOWS

Our Casement Windows are set back from the external frame face to create visual depth and shadow as well as providing improved weathering protection and interest in the product.

As standard, our Casement Windows are provided fully finished, in any style, colour, frame mould, glass specification and glazing bar design of your choice. They offer excellent security as standard, using a multi-point locking system. In combination with engineered timber, this enables Westbury Windows to pass PAS24 standards and meet Part Q of Building Regulations.

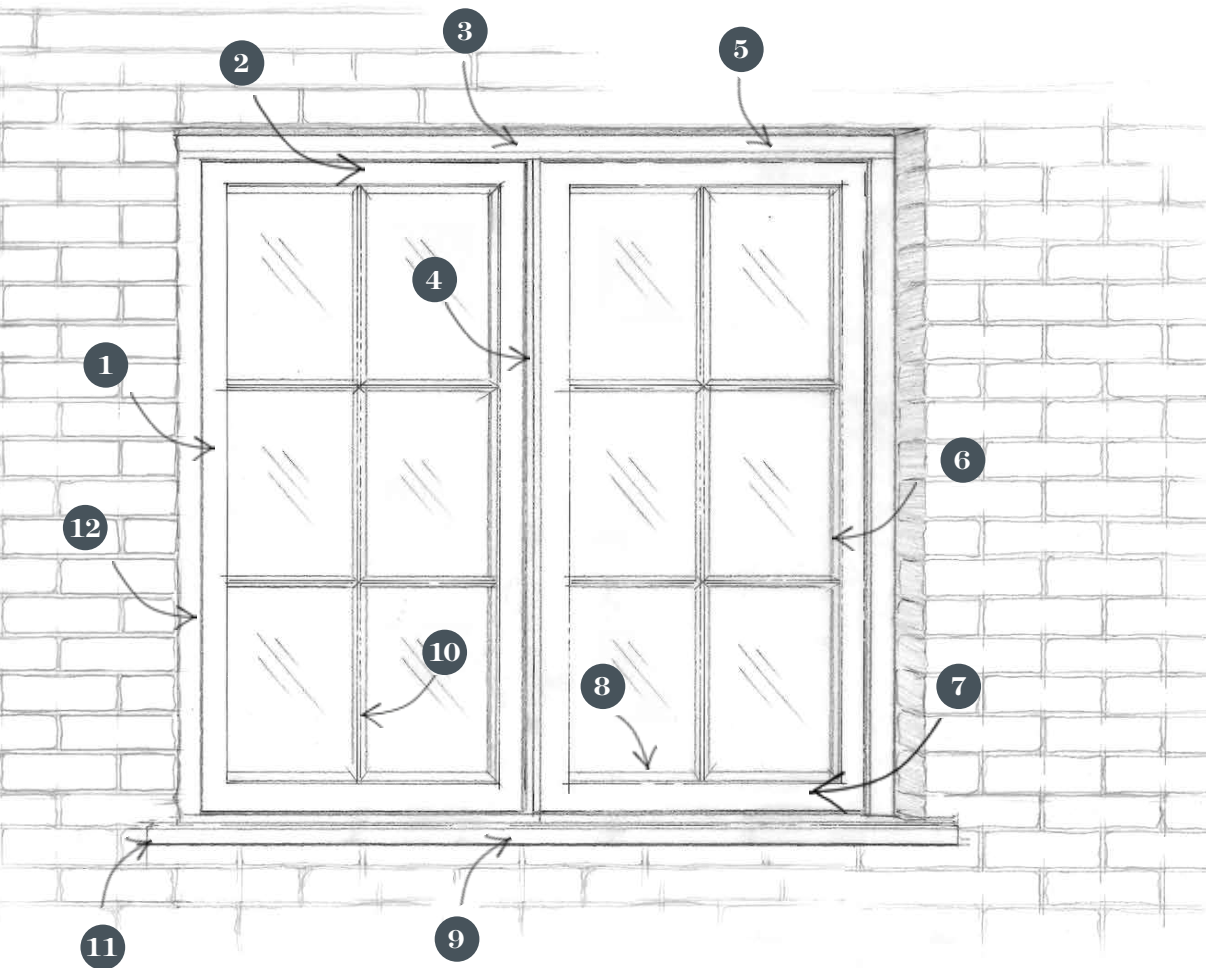


## PRODUCT SNAPSHOT

<b>Frame Depth :</b>	115mm
<b>Casement Depth :</b>	68mm
<b>Glazing Depth :</b>	16mm (Classique) or 28mm, either double or triple glazed
<b>Glazing Bar Width :</b>	21mm – Standard or Classique Moulding or 56mm solid true bar
<b>Cill Projections :</b>	Flush / 50mm / 75mm / 100mm
<b>Frame Mould :</b>	Staff Bead, Ovolo (small or large), Square or Lambs Tongue
<b>Paint :</b>	3 coats fully finished at 120/150 microns per coat (see page 11)
<b>Timber :</b>	We use premium grade, knot-free engineered timber from sustainable sources. Our timber is a combination of Redwood and Accoya® laminated sections, which provides excellent stability and a superior finish. (See page 10)

## VISUAL GLOSSARY : CASEMENT WINDOWS

Casement Window – Fixed to the frame with top or side hung hinges. In some projects we provide fixed casements, which cannot be opened, to create even glazing lines. This can also be known as a dummy sash.



## VISUAL GLOSSARY : CASEMENT WINDOWS

- 1 WINDOW STILE – 68mm x 68mm – The vertical edges of a casement
- 2 TOP RAIL – 68mm x 107mm – top horizontal structural member
- 3 FRAME HEAD – 63mm x 115mm – top horizontal piece of the frame
- 4 MULLION – 63mm x 115mm (2.7mm internally) – vertical element forming division between each window casement
- 5 HEAD/HEAD DRIP – a highly durable external head drip, mounted on top of the window casing to protect windows from rain and conceal trickle vent
- 6 GLAZING BEAD – painted Accoya with secret stainless-steel fixing and sealed with a silicon bead to ensure no water ingress between wood and bead
- 7 BOTTOM RAIL 68mm X 107mm – the horizontal structural member of the casement with drip bead which will overhang the bottom rail, ensuring no water ingress
- 8 WEATHERSEAL X 2 – Ensures sound proof and draught free windows
- 9 CILL/SILL 70mm X 165/190/215mm (90/75/100mm proj) – durable wooden shelf at foot of window. Creates overhang and drip, to weather window/building
- 10 GLAZING BAR – 21mm wide x 19mm deep – this very important bar, between adjacent panes of glass, creates the fenestration and style to the windows
- 11 CILL/SILL HORN – 50mm standard – extension of a window cill/sill to the outside edge of casing
- 12 WINDOW JAMB – 63mm X 115mm – Side post of the casement

## CASEMENT WINDOWS : HINGE OPTIONS

### Side Hung Friction Hinge

Our standard friction hinge provides superior closing performance, good security and a maximum egress escape opening width.

The hinge can be moved inwards to provide a cleaning position which will auto reset to egress when casement is closed.

This hinge can carry weights up to 40kg. Maximum casement width of 900mm.

### Top Hung Friction Hinge

We use two types of friction hinge, standard and heavy duty, both of which slide downwards into the frame area to a limited angle dependent on the size of the casement.

Heavy duty top hung types incorporate a special espagnolette locking system fitted around the bottom corner of the casement for increased security and stability.

### Side Hung Butt Hinge - Traditional Type Hinge

In the closed position, the butt hinge leaves will remain flush with each other where only the curled barrel, often referred to as the knuckle of the hinge, is left exposed. Externally with these windows you would need a combination of head stays and peg stays to stabilise in windy conditions.

## FRENCH WINDOWS

**Originally, the British custom was to have windows opening outwards. French Casement Windows started life as a casement that opened inwards, set back in the opening with internal shutters. This required careful craftsmanship to prevent weather ingress.**

The British took the elegant slimmer sections of a French casement and used these for inward opening doors on Juliette balconies or as opening out casements for use as fire escape windows in modern buildings. Made without the central mullion, French Casement Windows give a clear opening. They are often used for second floor dormer windows or for first floor windows where the opening isn't large enough to meet current escape regulations.

French Casement Windows operate like a French Door. They are fitted with an espagnolette locking system and a handle to each operer.



## SASH WINDOWS

Our timber Sash Windows offer unique style, period authenticity and traditional sight lines. The range includes classic lead weights and nylon cords for a more traditional design, or modern pre-tensioned sprung balance windows, which are perfect for newer properties.

All of our Sash Windows incorporate a heritage design, suitable for conservation areas. They are 68mm deep and can therefore incorporate a thicker and wider choice of energy efficient and sound reducing glass, from our 16mm Classique to our triple glazed options. Distinctive design features include decorative sash horns, concealed trickle vent, deep moulded lamb's tongue profiles with 21mm glazing bars and internally moulded staff beads.



## SASH WINDOWS : DESIGN OPTIONS

### Box Sash Windows

Our Box Sash Windows use pulleys, cords and weights to counter balance the top and bottom sashes. The weights are housed in a 'box' created by liners extending the frame on each side internally and externally.

Offering the best of tradition and modern technology, our Box Sash Windows retain authentic heritage styling with the latest technology for improved security, thermal and acoustic performance.

### Spring Sash Windows

The Spring Balanced Sash Window is a contemporary alternative to the classic Box Sash Window. It uses a spring-loaded mechanism instead of the pulleys, cords and weights found in a traditional Box Sash Window. A Spring Balanced Sash Window is often used in new builds where a flush reveal has been detailed by the architect.

### Legacy Sash Windows

Our Legacy Sliding Sash Windows are similar to our standard Sash Windows but with thinner frames, sash and glass sections. This window is ideal for replacing draughty single glazed windows. A new double glazed window that gives a modern performance without losing the traditional heritage sash window aesthetics.

**Available in both weighted and spring balanced versions.**

## PRODUCT SNAPSHOT : SASH WINDOWS

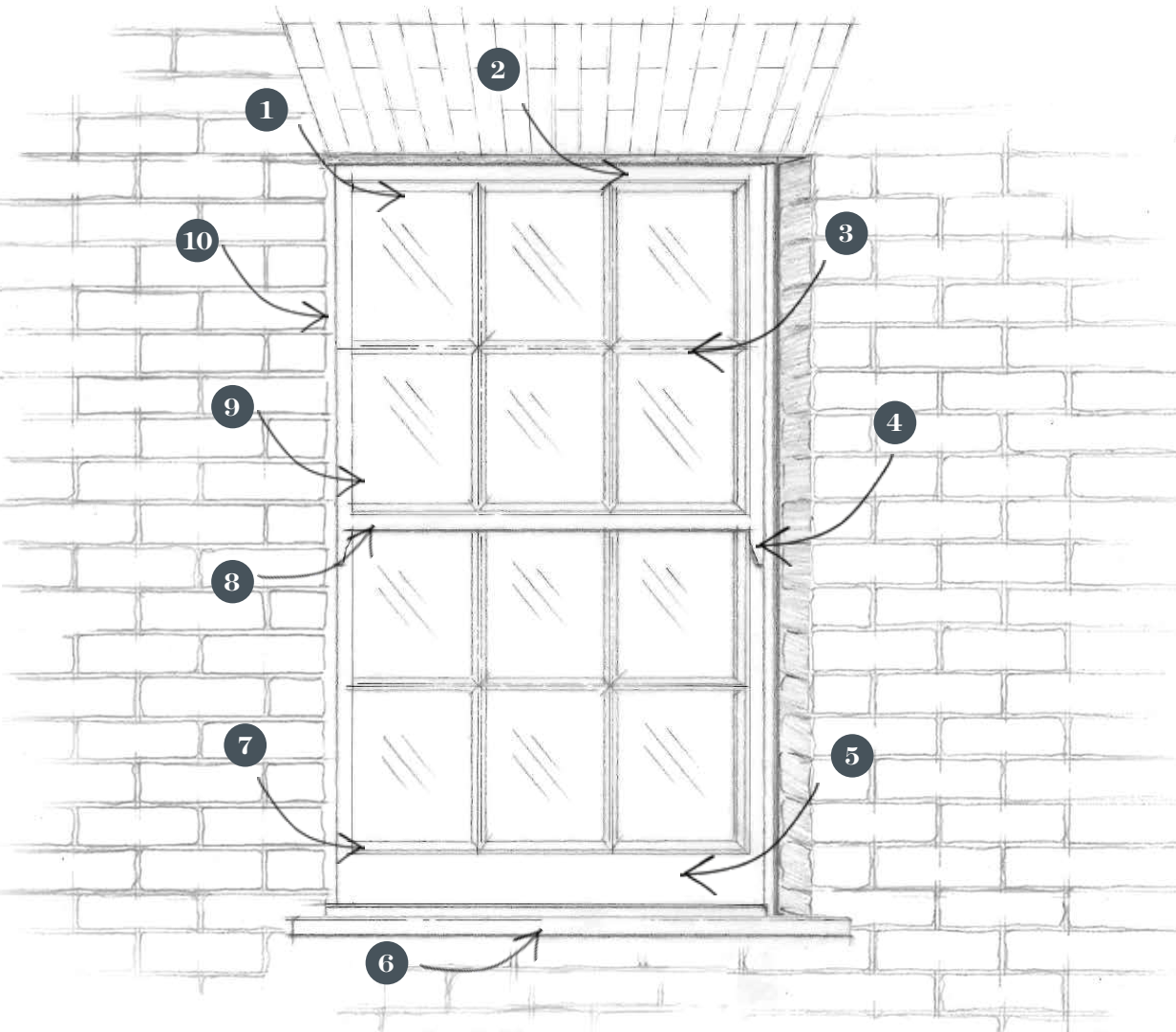
<b>Frame Depth :</b>	199mm
<b>Sash Depth :</b>	68mm
<b>Glazing Thickness :</b>	16mm (Classique) or 28mm either double or triple glazed
<b>Glazing Bar Width :</b>	21mm – Standard or Classique Moulding or 56mm solid true bar
<b>Cill Projections :</b>	Flush / 50mm / 75mm / 100mm
<b>Frame Mould :</b>	Staff Bead
<b>Paint :</b>	3 coats fully finished at 120/150 microns per coat (see page 11)
<b>Timber :</b>	We use premium grade, knot-free engineered timber from sustainable sources. Our timber is a combination of Redwood and Accoya® laminated sections, which provides excellent stability and a superior finish (See page 10)

## PRODUCT SNAPSHOT : LEGACY SASH WINDOWS

<b>Frame Depth :</b>	171mm
<b>Sash Depth :</b>	54mm
<b>Glazing Thickness :</b>	16mm
<b>Glazing Bar Width :</b>	21mm – Standard or Classique Moulding or 56mm solid true bar
<b>Cill Projections :</b>	Flush / 50mm / 75mm / 100mm
<b>Frame Mould :</b>	Staff Bead
<b>Paint :</b>	3 coats fully finished at 120/150 microns per coat (see page 11)
<b>Timber :</b>	We use premium grade, knot-free engineered timber from sustainable sources. Our timber is a combination of Redwood and Accoya® laminated sections, which provides excellent stability and a superior finish (See page 10)

## VISUAL GLOSSARY : SASH WINDOWS

Sash Window: Generally constructed of two moveable sashes, one sitting forward of the other. There are two hanging options for these windows: Cords & Weights or Spring Balanced



## VISUAL GLOSSARY : SASH WINDOWS

- 1 STAFF BEAD (INTERNAL) – the detailed moulding that frames your sash box internally. It keeps the sashes in place in the sash box.
- 2 TOP RAIL – 68mm x 62mm – top horizontal structural member.
- 3 GLAZING BAR – 21mm wide x 19mm deep – this very important bar, between adjacent panes of glass, creates the fenestration and style to the windows.
- 4 DECORATIVE SASH HORNS – a common decorative feature of a sliding sash. Usually external except in Scotland where they can also feature internally.
- 5 BOTTOM RAIL 81mm X 206mm – the horizontal structural member of the casement with drip bead which will overhang the bottom rail, ensuring no water ingress.
- 6 CILL/SILL 70mm X 165mm – durable wooden shelf at foot of window that creates an overhang and drip, to weather window/building.
- 7 GLAZING BEAD (DRIP BEAD TO THE BOTTOM) – painted Accoya with secret stainless-steel fixing and sealed with a silicon bead to ensure no water ingress between wood and bead.
- 8 MEETING RAIL – rail where two sashes meet – incorporates draught excluder.
- 9 PARTING BEADS – separates the two sashes, generally removable.
- 10 OUTER FACEBOARDS – creates the rebate for the outer sash.



A black and white portrait of John Mumford, a middle-aged man with glasses, wearing a white shirt. He is looking slightly to the right of the camera with a thoughtful expression.

“It was a wonderful opportunity for me to be given a blank sheet of paper by Westbury with a remit to design the best range of timber windows and doors possible. Having had over forty years of experience I knew every intimate detail of window and door design, production techniques, product testing and durability.

In combination with Westbury’s substantial investment in high-tech production equipment, I was able to design bespoke sustainable wood profiles that were effective in production and durable in the field. As they say, the devil is in the detail and my final design created a product that is traditional in appearance, multi-functional, energy efficient and sustainable.”

### **John Mumford**

#### **Who is John Mumford?**

John is the former Director of Westbury and now works with us as a consultant. He is a leader in the manufacture of timber doors and windows in the UK. He has always been at the forefront of product innovation and was the first in the industry to produce the fully factory finished, double glazed sash window.

# 04

# External Doors



High performance external doors, made to measure in a wide variety of styles.

## ENTRANCE DOORS

Our high-performance timber doors will satisfy the demands of specifiers, architects and developers seeking superior quality and a door that promises to deliver on form and function. We will ensure the threshold height is correct, as inward and outward opening doors will always have different height thresholds internally.

Made to measure and available in a wide variety of styles and finishes, our entrance doors are designed to meet your specific requirements. In most cases, our doors are supplied fully factory hung in their frame, complete with all hinges, glazing, and ironmongery. They offer double draught exclusion and soft close.

Ironmongery includes heavy duty butt hinges, standard or heritage multi-locking systems, lock cylinders and handles to ensure we meet the highest security standards.

We offer panelled, glazed or boarded entrance doors which can also be paired with glazed sidelights if required, see examples below.

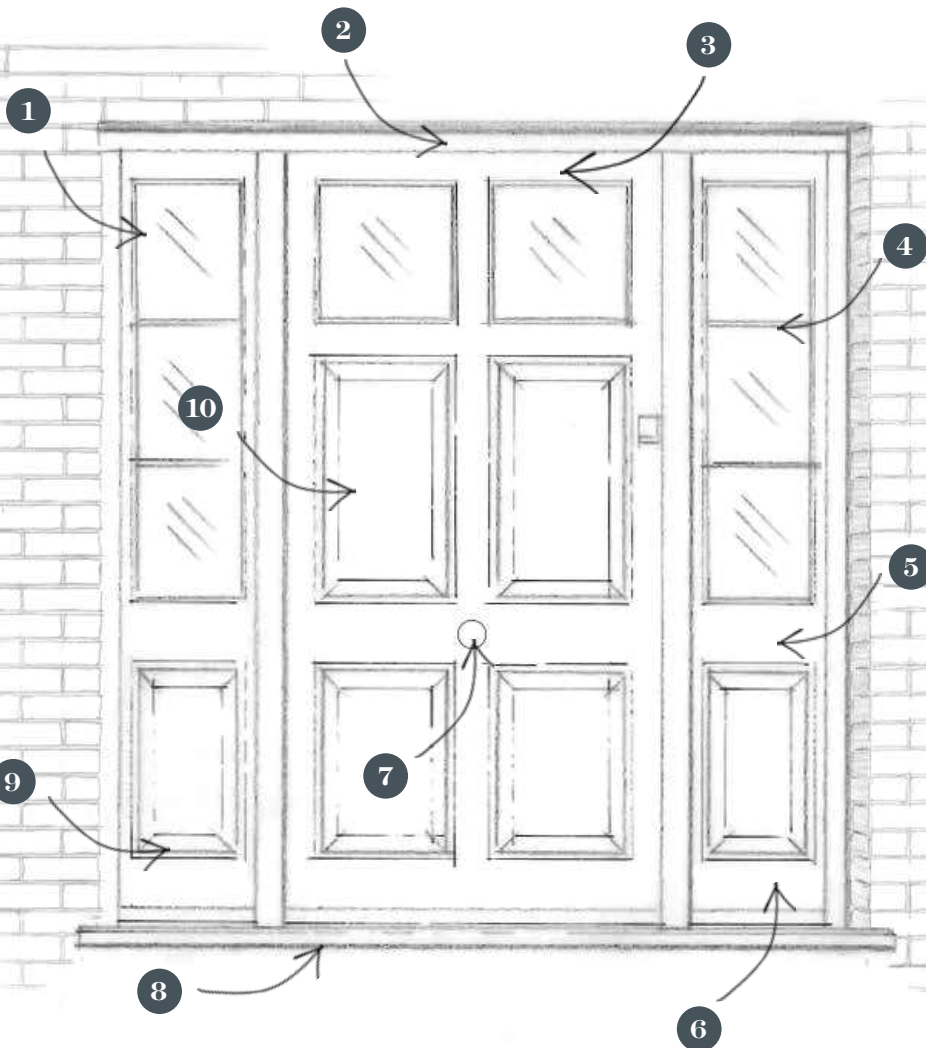


## PRODUCT SNAPSHOT : ENTRANCE DOORS

<b>Frame Depth :</b>	115mm
<b>Sash Depth :</b>	68mm
<b>Glazing Thickness :</b>	16mm Classique or 28mm either double or triple glazed
<b>Glazing Bar Width :</b>	21mm – Standard or Classique Moulding or 56mm solid true bar
<b>Cill Projections</b>	
<b>Inward Opening :</b>	Flush / 30mm / 55mm / 80mm
<b>Top Rails/Stiles :</b>	107mm / 120mm
<b>Mid &amp; Bottom Rail :</b>	208mm
<b>Panel Options :</b>	Bolection, raised & fielded, vee grooved boarded raised & fielded with bolection surround
<b>Paint :</b>	3 coats fully finished at 120/150 microns per coat (see page 11)

## VISUAL GLOSSARY : ENTRANCE DOORS

**ENTRANCE DOOR:** Classic architectural principles place the front door as the most important focal point in a building. Your entrance door should make you feel secure and your guests feel welcome.



## VISUAL GLOSSARY : ENTRANCE DOORS

- 1 **SIDELIGHTS** – the narrow, usually stationary windows found immediately adjacent to doorways
- 2 **FRAME** – Complete door frame consists of 1 header, 2 jamb legs and threshold
- 3 **TOP RAIL** – the top horizontal structural member
- 4 **GLAZING BAR** – this very important bar, between adjacent panes of glass, creates the fenestration and style to sidelights
- 5 **MID RAIL** – the middle horizontal structural member
- 6 **BOTTOM RAIL** – always bigger on the bottom than the top
- 7 **IRONMONGERY** – (also referred to as architectural hardware) this includes door knobs/handles, locks, hinges and window fittings. Available in various finishes including: Polished Brass, Oil Rubbed Bronze, Polished/Satin Chrome and Satin Nickel
- 8 **THRESHOLD** – made from a hardwood and durable timber, this strip of wood forms the bottom of a doorway crossed when entering a house or room
- 9 **BELECTION MOULD** – a moulding which projects beyond the face of a panel or frame. We use belection moulding to enhance our panel door designs
- 10 **RAISED AND FIELDED PANEL** – an attractive decorative panel with grooved edges and a fielded or moulded element to its face

## FRENCH DOORS

French Doors are derived from French Casement Windows. These doors have been adapted for access onto balconies, patios and other external areas.

Having undergone vigorous weather, acoustic and security testing, our range of inward and outward opening French Doors have been developed for security, performance and longevity.

Offering high levels of security, the slave leaf has concealed top and bottom bolts, both operated by a single discreet lever at waist level, within the door thickness. The master leaf of the French Door is fitted with a multi-locking system.

As standard, our French Doors open out, but can be made to open inwards for Juliette balconies or for use as entrance doors. The larger section sizes and door locks mean each pair of doors can be manufactured up to 2m in width x 2.8m in height. All of our outward opening French Doors can be fitted with British made projection hinges to allow the doors to open fully.

Various designs, colours and moulding options are available, incorporating full height glass or beautifully detailed panels.

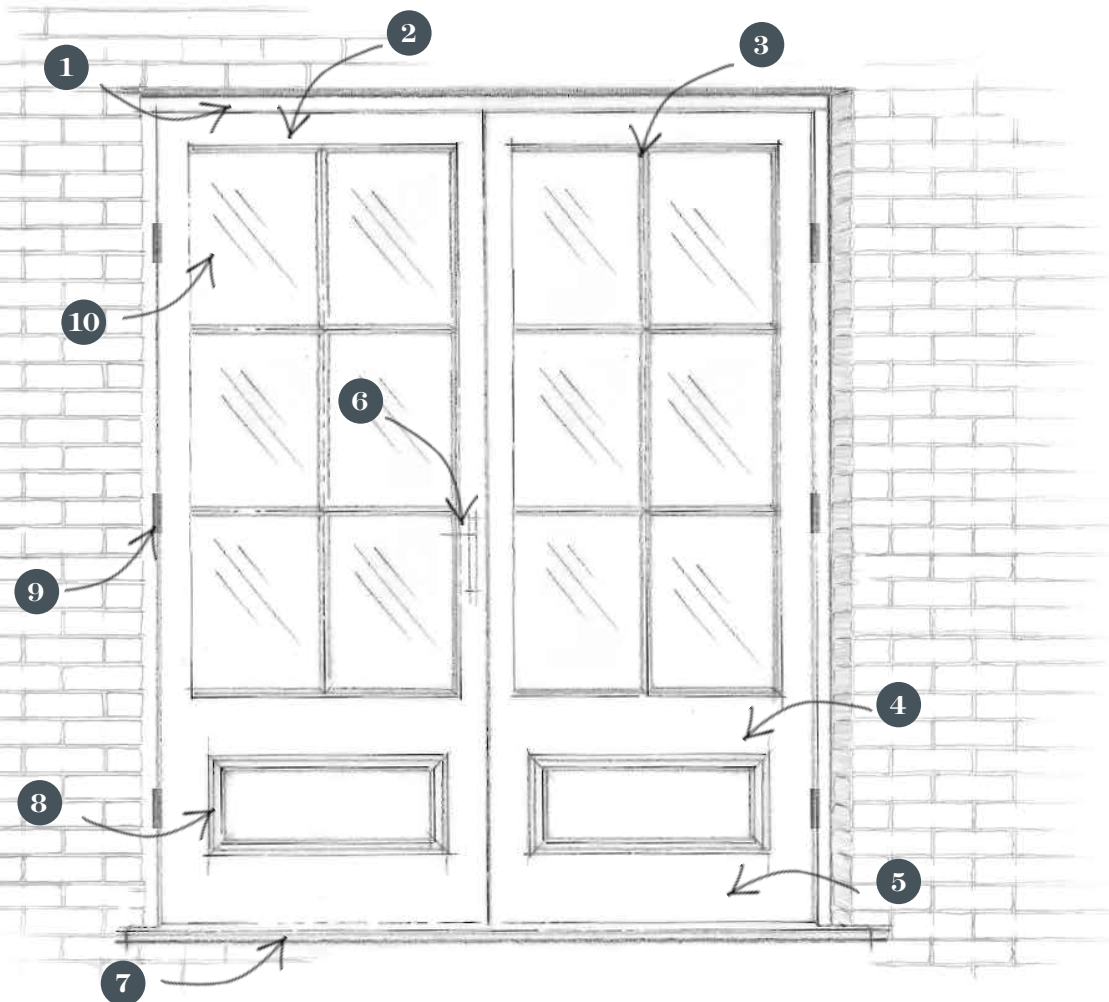


## PRODUCT SNAPSHOT : FRENCH DOORS

<b>Frame Depth :</b>	115mm
<b>Sash Depth :</b>	68mm
<b>Glazing Thickness :</b>	16mm Classique or 28mm either double or triple glazed
<b>Glazing Bar Width :</b>	21mm – Standard or Classique Moulding or 56mm solid true bar
<b>Cill Projections</b>	
<b>Inward Opening :</b>	Flush / 30mm / 55mm / 80mm
<b>Outward Opening :</b>	Flush / 50mm / 75mm / 100mm
<b>Frame Mould :</b>	Staff Bead, Ovolo (small or large), Square, Lambs Tongue
<b>Top Rails/Stiles :</b>	107mm
<b>Mid &amp; Bottom Rail :</b>	208mm
<b>Panel Options :</b>	Bolection, raised & fielded, vee grooved boarded raised & fielded with bolection surround
<b>Paint :</b>	3 coats fully finished at 120/150 microns per coat (see page 11)

## VISUAL GLOSSARY : FRENCH DOORS

**FRENCH DOORS:** Traditionally hinged double doors which mainly open outwards, (or inwards by design). When the doors are open you have full access to the width of the opening into which they are installed.



## VISUAL GLOSSARY : FRENCH DOORS

- 1 **FRAME** – Complete door frame consists of 1 header, 2 jamb legs and threshold
- 2 **TOP RAIL** – the top horizontal structural member
- 3 **GLAZING BAR** – this very important bar, between adjacent panes of glass, creates the fenestration and style to sidelights
- 4 **MID RAIL** – the middle horizontal structural member
- 5 **BOTTOM RAIL** – always bigger on the bottom than the top
- 6 **IRONMONGERY** – (also referred to as architectural hardware) this includes door knobs/handles, locks, hinges and window fittings. Available in various finishes including: Polished Brass, Oil Rubbed Bronze, Polished/Satin Chrome and Satin Nickel
- 7 **THRESHOLD** – made from an engineered hardwood and durable timber, this strip of wood forms the bottom of a doorway crossed when entering a house or room
- 8 **BOLECTION MOULD** – a moulding which projects beyond the face of a panel or frame. We use bolection moulding to enhance our panel door designs
- 9 **HINGES** – British made projection hinges to allow the doors to open fully
- 10 **GLASS** – a choice of glass types are utilised depending on energy, acoustic, security or privacy requirements

## FOLDING & STACKING DOORS

Also known as Bi-Folding Doors - Folding and Stacking Doors can create stunning, large glazed areas, allowing more natural light to enter a room. They can be configured to suit a wide range of apertures and are the perfect solution for maximising spaces and 'bringing the outside in'.

Our range of Folding and Stacking Doors open outwards and consist of various opening configurations of door leaves, supported at the head. We can offer door widths of up to 1050mm and up to 8 doors per configuration, opening in either direction.

Our Folding and Stacking Door systems meet the highest standards and are manufactured to precise measurements, enabling them to fold and slide perfectly. They are pre-hung at our factory to include all of the hardware, but disassembled for ease of transportation and site installation.

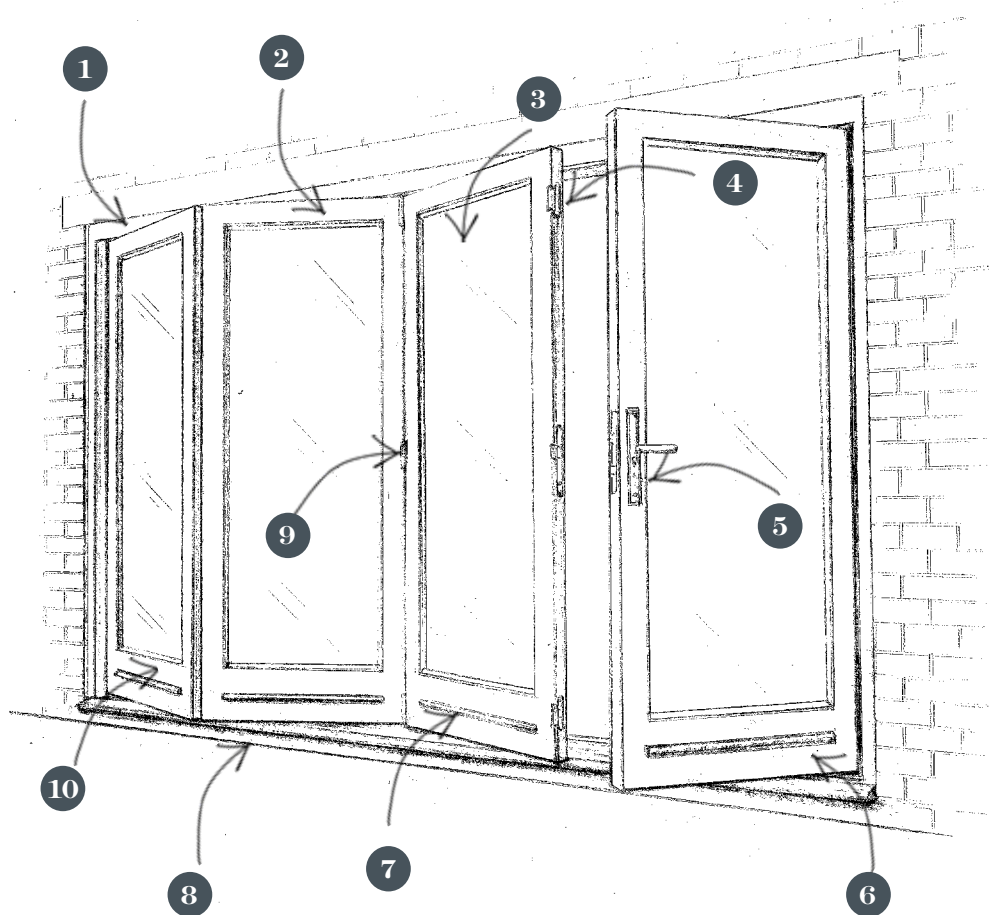


## PRODUCT SNAPSHOT : FOLDING & STACKING DOORS

<b>Frame Depth :</b>	161mm
<b>Door Thickness :</b>	68mm
<b>Glazing Thickness :</b>	16mm (Classique) or 28mm either double or triple glazed
<b>Glazing Bar Width :</b>	21mm – Standard or Classique Moulding or 56mm solid true bar
<b>Cill Projections :</b>	Flush / 50mm / 75mm / 100mm
<b>Frame Mould :</b>	Staff Bead, Ovolo (small or large), Square, Lambs Tongue
<b>Top Rails/Stiles :</b>	107mm
<b>Mid &amp; Bottom Rail :</b>	208mm
<b>Panel Options :</b>	Bolection, raised & fielded, vee grooved boarded raised & fielded with bolection surround
<b>Paint :</b>	3 coats fully finished at 120/150 microns per coat (see page 11)

## VISUAL GLOSSARY : FOLDING & STACKING DOORS

**FOLDING & STACKING DOORS:** Traditionally hinged double doors which mainly open outwards, (or inwards by design). When the doors are open you have full access to the width of the opening into which they are installed.



## VISUAL GLOSSARY : FOLDING & STACKING DOORS

- 1 **FRAME** – Complete door frame consists of 1 header with track, 2 jamb legs and threshold
- 2 **TOP RAIL** – the top horizontal structural member
- 3 **GLASS** – a choice of glass types are utilised depending on energy, acoustic, security or privacy requirements
- 4 **FLUSH BOLT / DROPBOLT** – locks door leaves into head and sill of frame
- 5 **IRONMONGERY** – (also referred to as architectural hardware) this includes door knobs/handles, locks, hinges and window fittings. Available in various finishes including: Polished Brass, Oil Rubbed Bronze, Polished/Satin Chrome and Satin Nickel
- 6 **BOTTOM RAIL** – always bigger on the bottom than the top
- 7 **FEATURE BEAD PANEL** – We offer a range of panel options including feature bead, Flat, belection or Raised & Fielded
- 8 **THRESHOLD WITH GUIDE RUNNER** – made from an engineered hardwood and durable timber, this strip of wood forms the bottom of a doorway crossed when entering a house or room
- 9 **HINGES** – Centor Hinges with pull handles to pull doors shut
- 10 **MID-RAIL** – Splits glass and panel below

05

# Internal Doors

Premium quality internal timber doors in various sizes and styles, beautifully manufactured from the finest Redwood

## INTERNAL DOORS

Westbury internal timber doors are beautifully formed from an engineered redwood, giving them a traditional appearance. They are made to measure with either hinged or smooth sliding pocketed options. Panel styles and colour options give the doors a durable and flawless finish that will suit your tastes and transform the interior of your home.

Each door is either primed or fully coated in two spray applied coats of the paint colour of your choice, giving them durability and a flawless finish. Our range includes pocket doors, which can be fully pocketed with pull ring to open, or with a handle to stop them fully being recessed into the liner. We also offer traditional hinged doors both single and double, made to measure in the exact size you need, including oversized if required.

Two-part timber matching door liners are also available. These come with draught excluder's as part of a kit and are available for both side hung and sliding doors.





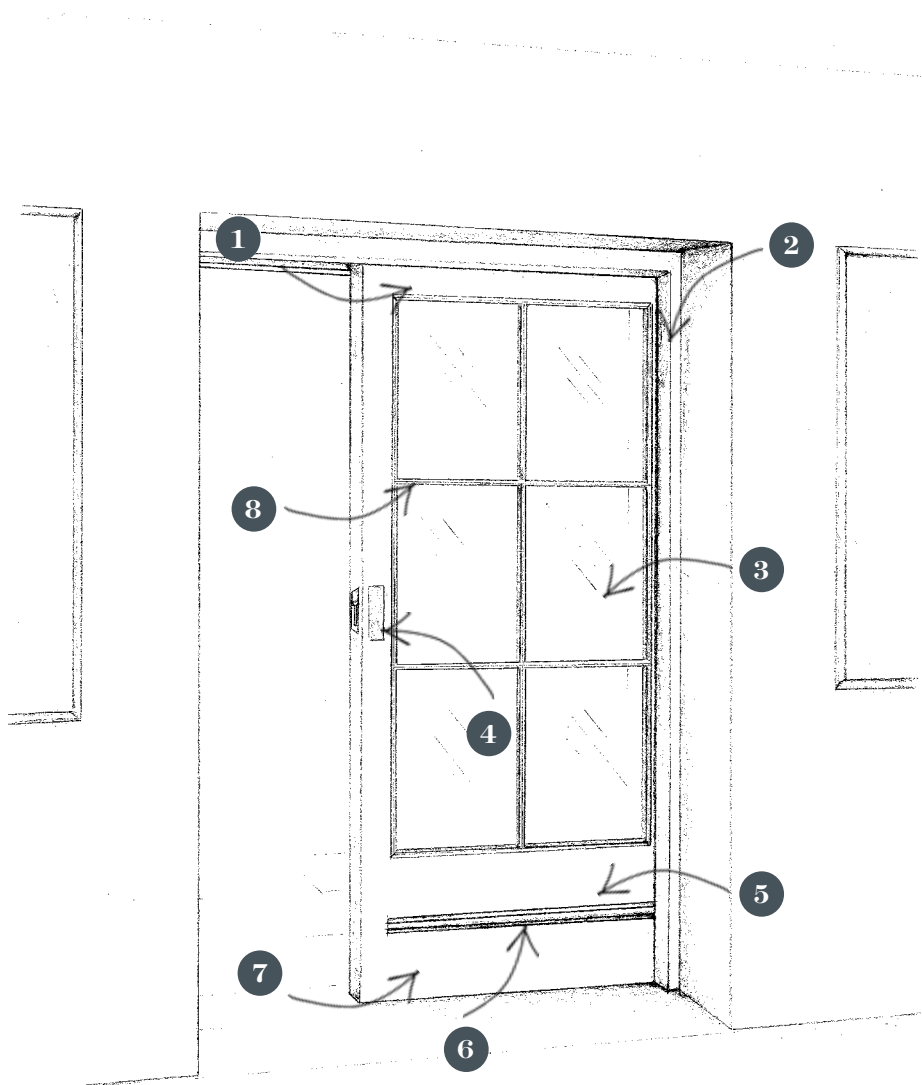
PRODUCT SNAPSHOT : INTERNAL DOORS

- Door Thickness :** 46mm Engineered Redwood
- Glazing Spec :** 6mm Single Glazing
- Glazing Bar Width :** 21mm – Standard Moulding
- Top Rail :** 95mm
- Mid Rail :** 190mm
- Bottom Rail :** 190mm
- Panel Options :** Flat, Bolection or Raised & Fielded
- Liners :** Two part softwood & MDF
- Paint Finish :** Primed or Two Spray Applied Colour Coats
- Threshold:** Laminated Timber Threshold (if required)
- Ironmongery:** Newbury Handles on Backplate or Rose



## VISUAL GLOSSARY : INTERNAL DOORS

**INTERNAL DOORS:** Internal timber doors are a classic and timeless addition to your home. They can be designed in a range of styles both glazed and non-glazed.



## VISUAL GLOSSARY : INTERNAL DOORS

- 1 **TOP RAIL** – the top horizontal structural member
- 2 **DOOR LINER** – timber frame that is used to prevent doors from sticking and jamming, and also to conceal the brickwork or timber surrounding the door itself.
- 3 **GLAZING** – 6mm single glazing
- 4 **IRONMONGERY** – (also referred to as architectural hardware) this includes door knobs/handles, locks, hinges and window fittings. Available in various finishes including: Polished Brass, Oil Rubbed Bronze, Polished/Satin Chrome and Satin Nickel
- 5 **MID RAIL** – the middle horizontal structural member
- 6 **FEATURE BEAD PANEL** – We offer a range of panel options including feature bead, Flat, belection or Raised & Fielded
- 7 **BOTTOM RAIL** – the bottom horizontal structural member
- 8 **GLAZING BARS** – this very important bar, between adjacent panes of glass, creates the fenestration and style to the door

06

# Roof Lanterns

Westbury's Timber Roof Lanterns are structural masterpieces, adding a sense of height, space, and grandeur to any room.

## ROOF LANTERNS

Regarded as both an architectural feature and a practical option for brightening up a room, a Roof Lantern should have clean lines and perfect composition. They can be crafted into any size and pitch to meet your exact specifications and suit the architecture of your property.

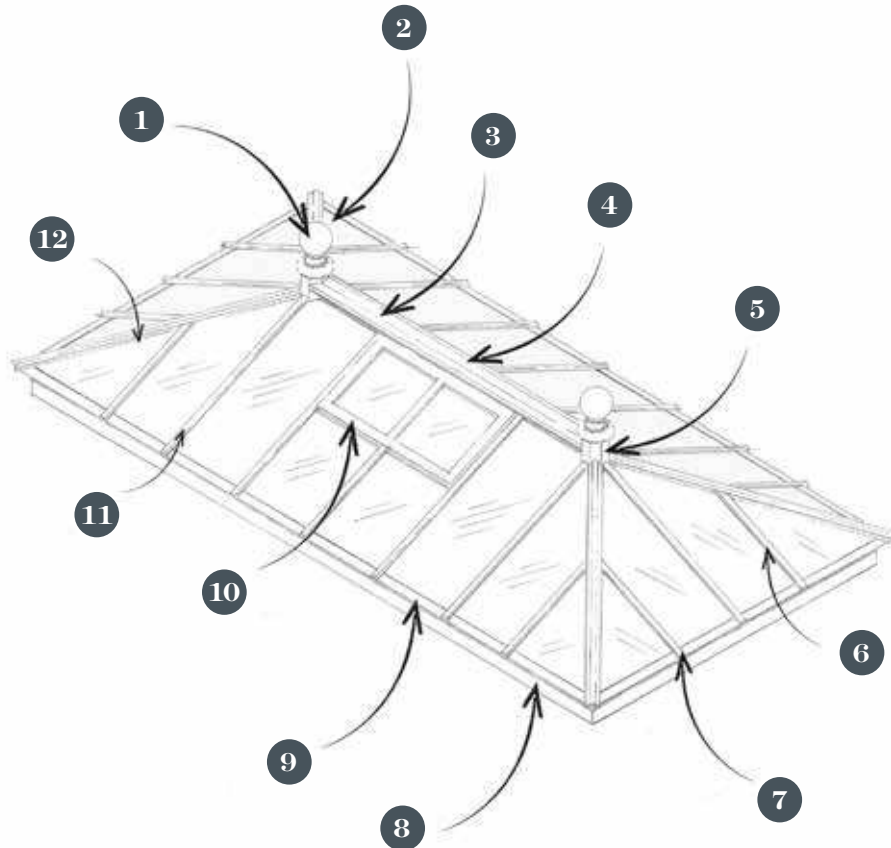
The clean lines and symmetry of a Roof Lantern can completely transform an area of your home, creating an incredible architectural impact when viewed from inside or out. Designed with correct proportions, our lanterns give consideration to depth of shelf, beam dimension and hip shape. The result is an impressive, balanced design.

Our finials are made from resin, with a powder coated external aluminium cladding to match the roof cappings, making them long lasting and maintenance free. Glazing is 4-16-4 toughened, clear, argon-filled sealed units with Low E coating and warm edge spacer bar as standard. Optional laminated, self-cleaning or solar reflective glass is available.



## VISUAL GLOSSARY : ROOF LANTERN

**ROOF LANTERN** – a stepped glass skylight that extends up from a flat roof. Used to add height to a ceiling and channel natural sunlight from all angles into the room below.



**1 FINIAL** – a painted decorative ball made from solid resin. An important piece to ensure protection against weathering of the king pin.

**2 ROOF GLASS** – Two sheets of 4mm toughened safety glass, bonded together with silicone with warm edge safety bar. Soft Low-e coating with argon gas filled cavity. Option to upgrade to solar reflective glass. (Westbury Sunguard)

## VISUAL GLOSSARY : ROOF LANTERN

**3 RIDGE CAP** – 45mm X 140mm – made from Accoya pre-assembled and pre-sprayed to give longevity.

**4 RIDGE** – 225mm x 68mm

**5 KING PIN** – 140mm x 140mm – made from wood/solid resin connects the hip rafters and the ridge.

**6 JACK RAFTERS** – 45mm X 120mm

**7 TWO-PART ALUMINIUM RAFTER AND HIP LAPPINGS** – powder coated aluminium section fixed with stainless steel screws holding glass in place and ensuring building is water tight.

**8 RING BEAM** – 185mm x 92mm – An upstand to sit the lantern on which has the roof membrane outside to waterproof.

**9 ALUMINIUM GLAZING TRAY** – with drainage installed

**10 VENT** – 620mm deep timber glazed sash with an aluminium shroud to ventilate the roof. Powered by an electrical motor. Can include rain sensor and thermostat.

**11 COMMON RAFTERS** – 45mm x 120mm

**12 HIP RAFTERS** – 57mm x 170mm

07

# Technical Details

Technically superior windows and doors with a pleasing and traditional appearance.

## GLASS & GLAZING

Westbury standard glazing is 28mm thick, utilising a choice of glass types depending on energy, acoustic, security or privacy requirements.

Glass is fitted into its rebated unit and secured externally using a secret nail system through the Accoya® glass bead.

The external perimeter is permanently sealed with an appropriate colour silicone.

### Sound & Secure

Our standard windows have exceptionally good acoustic sound insulation. We also offer optional 'Sound & Secure' or 'Sound & Secure Extra' upgrades. These upgrades have a 6.8mm or 8.8mm thick glass lamination to improve the sound insulation and security performance of the window.

### Triple Glazing

Our triple glazing option also offers improved energy and acoustic efficiency. Please speak to us for more details.

### Classique Glazing

Our "Classique" double glazing is a slimmer, 16mm glass unit filled with krypton gas. Using krypton reduces the heat conduction between the panes, helping to keep more heat in during the winter and out during the summer.

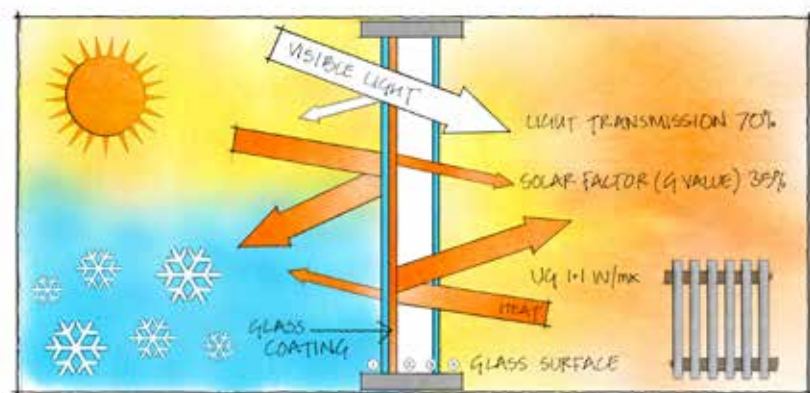
A Classique glazing unit is a great solution for a customer looking to achieve the appearance of traditional single glazed windows while benefiting from all the advantages of contemporary double glazing.

**All Westbury Windows are glazed to standards exceeding Glass and Glazing Federation standards.**

## SOLAR REFLECTIVE GLASS

We also offer a solar reflective glass, which is especially popular in our Roof Lanterns, but can also be used in our windows and doors.

The glass is called Westbury Sunguard which is a very neutral glass allowing in a very high level of natural light whilst also reflecting 65% of the solar heat away from the glass which helps to prevent over heating. In the winter Westbury Sunguard will also help keep your home warm as it reflects the heat back into the room helping to keep down energy bills. This glass reduces glare and reduces UV.



## GLAZING BARS

We offer Standard and Classique applied glazing bars.

These come in the choice of white or black integral glass spacer bars and glazing tapes to suit your paint finish.

## FRAME MOULDINGS

Our standard rebated mould for Casement and Sashes is a Staff Bead. Other variations of mouldings are displayed below. Our windows give a superb, visually pleasing, traditional flush finish from both inside and outside the property. The frame depth of a Westbury Windows gives more scope and offers you the choice of a number of glazing options.



SQUARE



LAMB'S TONGUE



OVOLO



LARGE OVOLO

## PERFORMANCE TESTING

**All our products are independently tested to current British and European Standards.**

Our Windows and Doors are tested in accordance with BS 6375 Part 1: Performance of Windows & Doors, Classification and Guidance for Weather Tightness.

### Weather Gaskets

Westbury Doors and Casement Windows feature continuous double layers of weather seals in thermoplastic elastomer (TPE). This high performance, soft close material combines optimal sealing and insulation with a relaxed closing pressure.

Our Sliding Sash Windows feature a silicone stop and brushed seals to enhance their sliding performance.

### Security Performance

To enhance the security performance all Westbury products have been independently tested in accordance with PAS24 Enhanced Security Performance Requirements For Doorsets And Windows. This involved an extensive range of physical attacks being carried out on the products to resist forced entry. All of our products, when requested, meet Part Q.

### Acoustic

With noise pollution on the increase, customers are looking for a solution to reduce unwelcome noise in their properties.

Independently tested at a UKAS-accredited laboratory, our products have been tested in accordance to BS EN ISO 10140-2.

### Energy Efficiency

By designing our timber frames and sashes with deep inside to outside profiles, we improve the thermal performance through the wood components. Our door leaves are 68mm deep and can incorporate a much thicker and wider choice of energy efficient and sound reducing glass.

This enables Westbury to offer independently tested and authorised energy saving products, with excellent whole product U-Values.

### Design

All Westbury products go through a stringent design process to ensure they are technically superior whilst achieving a pleasing and traditional appearance. Westbury windows and doors have an international Design Clarification of LOC (07) CL.25-02 and are protected by Certificate of Registration of Design number 4036141.

A butt hinge is usually comprised of two leaves that match. One is usually attached to a fixed component (such as a window jamb) and the other is attached to a moving component (such as a window). In the closed position, the butt hinge leaves will remain flush with each other where only the curled barrel, often referred to as the knuckle, is exposed.



Certificate of Registration  
of Design



**For more information on our performance testing visit our website or speak to our team.**

<p><b>ALL PRODUCTS</b></p> <p>WHOLE PRODUCT U-VALUE</p> <h1>1.4</h1> <p>W/m2K</p> <p>All our standard products offer U-Value 1.4 W/m2K when using glass with a centre pane value of 1.2 W/m2K.</p>		
<p><b>ENERGY</b></p> <p>WHOLE PRODUCT U-VALUE</p> <h1>1.3</h1> <p>W/m2K</p> <p>Upgrading the glass to centre pane value of 1.1 W/m2 K</p> <p>Available for all products</p>	<p><b>SOUND &amp; SECURE</b></p> <p>WHOLE PRODUCT U-VALUE</p> <h1>1.3</h1> <p>W/m2K</p> <p>Incorporates one layer of 6.8mm laminated glass for security and sound reduction with centre pane value of 1.1 W/m2 K and glass sound reduction of 38 RwDb</p> <p>Available for all products Sliding Sash 1.4W/m2K</p>	<p><b>LEGACY/CLASSIQUE THIN DGU</b></p> <p>WHOLE PRODUCT U-VALUE</p> <h1>1.4</h1> <p>W/m2K</p> <p>Specialist unit 16mm thick for traditional appearance</p> <p>Available for all products</p>
	<p><b>SOUND &amp; SECURE EXTRA</b></p> <p>WHOLE PRODUCT U-VALUE</p> <h1>1.3</h1> <p>W/m2K</p> <p>Incorporates one layer of 8.8mm laminated glass, security and improved sound reduction with centre pane value of 1.1 W/m2 K and glass sound reduction of 41 RwDb</p> <p>Available for all products Sliding Sash and Casement 1.4 W/m2K</p>	<p><b>TRIPLE GLAZE</b></p> <p>WHOLE PRODUCT U-VALUE</p> <h1>1.1</h1> <p>W/m2K</p> <p>Based on three layer 4mm thick glass with centre pane value 0.6 W/m2K</p> <p>Available Casement / French Doorsets / Sliding Sash. Single Doorsets 1.0 W/m2K</p>

**BUILDING REGULATIONS**

It is vital to ensure that Building Regulations are fully considered in all aspects of your project. For example, simply failing to account for the thickness of your open door leaf can make your doorway opening non-compliant.

The regulations cover a number of areas including: Safety, Fire Risk, Energy Efficiency, Accessibility, Ventilation and Security. Building Regulations approval may be required even if Planning Permission is not. We have the expertise to look at your project and supply products that ensure the entire design and installation meet the specifications of the regulations. Ensure you use a FENSA registered installer to install our products.



## MAINTENANCE & CARE

**Our reputation is built on consistently supplying superior products, which are built to last. We are known for designing, manufacturing and delivering unique, high-quality, British-made timber products and architecture across the UK. We are proud to be considered as one of the country's leading bespoke timber product companies.**

All our windows and doors are thoroughly checked at our factory before delivery to ensure there are no marks on the timber or scratches on the glass or ironmongery, so it is important that great care is taken on site.

### Glazing

Products are glazed at our factory under controlled conditions to maintain the integrity of the vented and drained system for the sealed unit guarantee. This method also ensures a high degree of security against unwanted de-glazing from outside.

### Handing the Product

Storing, unloading and handling the goods are within the customer's obligation. Delivery documents are provided with the product weights as a guide only to assist managing the correct procedures. Safe lifting of products and suitable personal protective clothing is the customer's responsibility.

Our commitment is limited to delivering the goods in a suitable condition to where we consider a safe, hard space nearest to the delivery address.

### Ventilation

When carrying out wet trades where windows and doors have been fitted, it is essential to ventilate and dehumidify the rooms. In an enclosed wet atmosphere, water moisture can cause the surface to blister/bubble and potentially cause wood sections to swell.

Product surface coatings are not designed to protect the base material against unnatural enclosed damp saturation. Such damage is not covered by Westbury's Guarantee.

Ventilation is also vital to prevent condensation forming on the inside of the glass surface. Dehumidification and further airing is strongly recommended until the building is fully dried. This can often take up to six months after building completion.

### Storage

Observe the label precautions. Store between 5 and 25 degree C in a dry, well-ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorised access. Containers, which are opened should be carefully resealed and kept upright to prevent leakage. Keep away from oxidizing agents, from strongly alkaline and strongly acidic materials. Follow national legislation concerning storage.

### After Installation

Windows and doors need protection from the rest of the building construction; dust etc will affect the finished product, glazing gaskets and may also effect ironmongery operation.

Attention is needed for construction operations producing abrasive grit such as angle grinding or rendering which will pit or scratch glass, paint surfaces and ironmongery finishes. Any form of scratch is not covered by Westbury's Guarantee.

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# Visit Us



## NEXT STEPS : REQUEST A QUOTATION

Simply give call us on 01245 326 510 or email [info@westburyjoinery.com](mailto:info@westburyjoinery.com) to talk to us about your project.

We have a professional and friendly team who will be happy to chat though your requirements and process your order. A quotation can be provided from your window schedules or drawings.

Estimated delivery dates are provided at the time of order. Your final delivery date will be agreed along with your final drawings.

## NEXT STEPS : VISIT US AND BOOK A FACTORY TOUR

Come and visit us our state-of-the-art facility to understand our production process and see the passion and craftsmanship that we put into each and every window and door.

Please contact us to make an appointment to visit our showroom in Essex and take a factory tour.

**Call:** 01245 326 510

**Email:** [info@westburyjoinery.com](mailto:info@westburyjoinery.com)

**Visit:** [westburyjoinery.com](http://westburyjoinery.com)

**Book your tour:** 46-52 Cutlers Road, Saltcoats, South Woodham Ferrers, Essex, CM3 5XJ

## SECTION DRAWINGS

Section Drawings of our windows are doors are available to download from our website: [westburyjoinery.com/downloads/drawings](http://westburyjoinery.com/downloads/drawings)

## CONTACT US

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Westbury Windows & Joinery  
46-52 Cutlers Road, Saltcoats  
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Essex  
CM3 5XJ

01245 326 510

[westburyjoinery.com](http://westburyjoinery.com)  
[info@westburyjoinery.com](mailto:info@westburyjoinery.com)

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WINDOWS & JOINERY