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GEORGE BARNSDALE

Est. 1884

TIMBER WINDOWS & DOORS

Where time-honoured design and twenty-first century technology meet.

At George Barnsdale we've been crafting the highest quality timber windows and doors for the UK's most prestigious homes and buildings since 1884. We blend detailed design with premium materials and cutting edge technologies to ensure our windows and doors are made to the most exacting aesthetic standards and deliver only exceptional performance.

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Our Approach

Few UK manufacturers could claim our depth of experience in building products that fit so precisely into a customer's programme of work.

Our approach is to devise a practical solution to a need, rather than shoe-horn an existing product into a unique design requirement. This is why we collaborate with our customers to ensure that our windows and doors are of a perfect fit, finish and specification and are delivered within project timescales.

We thrive on devising exceptional solutions that meet the aesthetic, performance and budgetary goals of your project. Our experience enables us to work with your original creative vision, however specialised and challenging the brief and to develop it into a realistic, compatible and visually-compelling application, that is delivered ready to be installed.

This flexible approach, along with our commitment to technical excellence, is why we enjoy mutually-rewarding partnerships with so many respected architects, builders and specifiers.

Historic Range

The Historic Range is designed to meet the demands of listed buildings and conservation areas. Our timber windows and doors adhere strictly to authentic design details and glazing methods to precisely match the originals, whilst providing modern standards of performance, longevity and low maintenance.



Traditional Range

Our Traditional Range offers an elegant synthesis of period design and modern performance. Expertly designed for renovation and traditional new build projects, all timber windows and doors provide exceptional levels of security and comfort. With exhaustive design, layout and finish options this range offers high levels of customisation to meet the precise requirements of your project.



Contemporary Range

Our Contemporary Range provides outstanding performance with modern, simple and clean design. Featuring large triple- or acoustic double-glazing and a range of handles and design options, our timber windows and doors can be uniquely styled to deliver the contemporary character of any new or modernised building.



Traditional Range

Our Traditional Range of timber windows and doors is designed to reflect the style and spirit of period designs, making it ideal for renovations and traditional new build projects.

Fully tested by third parties, all products in this range meet the highest standards of weatherproofing, security, thermal and acoustic performance and deliver long life with low maintenance.

With complete design flexibility, the timber windows and doors in the Traditional Range can be customised to meet the precise requirements of your project.

EXCEPTIONAL BENEFITS AS STANDARD



Customisation

Our range of profiles and finishes enables us to modify any product so that it matches your project requirements, with no compromise in performance and no (or very minor) cost implications.



Coating system

Our sophisticated coating system has been developed to provide a long lasting, low maintenance finish that displays to full effect the natural beauty of the wood.



Exacting precision

All of our products are manufactured to the finest tolerances. Joints fit perfectly and seals are located with absolute accuracy so that the finished product is as robust and weather-proof as it is aesthetically pleasing.



Excellent security

Fitted with multiple locking points, our products offer secure ventilation positions as standard. We can also meet Part Q / Secured By Design specifications when required.



Innovative glazing system

All products come with our innovative glazing system as standard. The internally beaded, drained and vented system used in all of our timber windows and doors provide outstanding performance and aesthetics.



Aligned/concealed dual seals

Dual low-pressure weather seals are located discreetly within the window frame to retain warmth and exclude noise and moisture. The system provides outstanding performance with no compromise in aesthetics.



Enhanced glazing standard

Our own stringent Glazing Visual Quality Standard exceeds that of the Glass and Glazing Federation, which ensures you receive products of the highest possible quality.



Market-leading guarantees

Our comprehensive guarantees provide the greatest degree of reassurance available within the industry.

Timber Casement Windows

In our Traditional Range, we offer flush and stormproof casement windows. Both window designs come with a choice of layout, profile and glazing options to exactly match your project requirements.

Our Traditional casement features multiple weather seals providing excellent weatherproofing; thermal and acoustic insulation; multi-point locking with shootbolts to provide exceptional security; concealed friction hinges that are invisible from within when the window is closed and a night vent opening mode.

To achieve precise period detailing for renovations and traditional new builds, we offer a selection of window furniture styles. For practicality, we can provide reversible hinge options allowing easy cleaning.





Timber Vertical Sliding Sash Windows

Traditional in design, our sash windows provide the highest level of performance. Innovative concealed weather seals achieve a much higher degree of weather performance than most of our competitors' products; air-tight and discreet they do not detract from the authentic appearance of the window.

For absolute authenticity, we provide the traditional cord-and-weights mechanism, as well as a tilting spiral balance sash for easy cleaning from the inside. In both designs, we use Accoya® timber linings to provide greater durability, even under the harshest conditions. Spiral balance sash window designs are also available.

With a number of layouts and opening options, coupled with our vast selection of furniture style and finishes, our sash windows can be designed to exactly match your project requirements.

Timber Tilt & Turn and Pivot Windows

Both our Tilt & Turn and Pivot Windows represent the best in modern, high performance design. We have adapted the aesthetic detail of both, making them suitable for period properties.

Our high performance hinge mechanisms are designed to support a large number of size and style options, including arched and angled designs. Both styles can be adapted to operate in the way that best suits your application: tilt & turn windows can be tilted inwards for ventilation or turned inward for easy cleaning on both sides; our pivot windows can be rotated 180 degrees along their horizontal axis for easy cleaning on the outside.

For maximum security on both windows, multi-point locking is distributed around the frame with the pivot window having an optional handle that provides ventilation securely at night.



Timber Entrance Doors

Our doors derive their air of quality from their weight, fit and the action of the hinges. Whilst we include many modern features to enhance technical performance, a wide selection of options is available that are aesthetically compatible with properties of every period.

With a multi-point locking system, our entrance doors meet Part Q / Secured by Design standards. To meet the security specifications of multi-storey residential buildings and mixed-use developments, we can supply our doors with autolocking. In addition, all opening options can be paired with electronic access control systems, including fob and magnetic card operation.

Our extensive collection of door styles and configurations, combined with a comprehensive selection of door furniture, enables us to adapt the door design to meet your exact project requirements. All doors can be combined with fanlights and sidelights as specified.

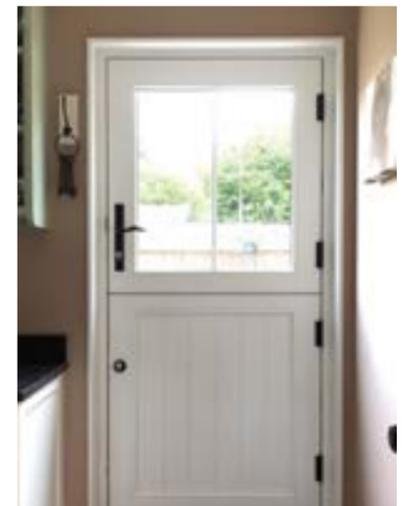


Timber Single and Stable Doors

With their simplified styling, the single and stable doors of our Traditional Range also include the detailed workmanship and many of the unique features of our fully-fledged entrance doors.

Available with a wide range of glazing and layout options, our single doors are designed for the side and rear of any building, allowing greater light into the property than an entrance door. Stable doors are popular in new-build countryside properties to replicate the traditional, barn-style entrance.

Single and stable doors can be configured to match almost any layout and offer outstanding thermal, acoustic and weathertight performance.





Timber French Doors

Produced with the finest materials and to the highest standard, our Traditional French doors provide exceptional levels of performance and durability. Concealed multi-point locks with integrated shootbolts in the secondary door provide outstanding security. For a hardwearing finish, all doors are provided with a stained hardwood cill as standard.

Our French doors can be completely customised to meet the exact design requirements of your project. A wide selection of designs and layouts are available, including the option of glazed sidelights and fanlights to the side, above and to the doors themselves; allowing maximum light into the property.

Available as both inward and outward opening, our outward opening doorsets are fitted with a restrictor to limit opening to 90 degrees, preventing damage from the door being blown against the outside wall.

Timber Bifold Doors

Combining traditional aesthetics with modern performance, our Traditional bifold doors can be configured to work exactly as the space requires. To meet your project requirements, we offer a number of layouts with the option of inward or outward opening doors.

Our low profile aluminium thresholds provide minimal interruption between interior and exterior but deliver excellent weather performance. Once installed, the low resistance sliding mechanism can be precisely adjusted to open and close effortlessly.

Multi-point locks, secure hinges and concealed components offer reassuring security across the door layout options. Boasting the same extensive selection of handles as our entrance and French doors, the bifold doors can be easily styled to match the other entrances to the property.





Timber Sliding Doors

Our Traditional sliding doors incorporate an innovative sliding system that provides exceptional performance and operation and can be manufactured to fit any size and configuration.

Low-profile cills promote a seamless transition between interior and exterior while providing excellent weather performance. Low-resistance rollers allow even large doors to be opened and closed with ease.

Our multi-point locking system provides a high degree of security and the concealed, interlocking aluminium meeting rail offers added security while contributing to the doors' exceptional weather performance.

The sliding doors are supplied with our superior quality glass – which exceeds that of the Glass and Glazing Federation's standards.



Historic Range

Our Historic Range is specifically designed to meet the stringent planning requirements applied to listed buildings and conservation areas.

Working closely with planning authorities and conservation officers, we have developed the range to replicate accurately the appearance of original windows and doors, with all the benefits of modern performance and low maintenance longevity.

For sympathetic replacement we have specifically developed narrow double-glazed options; allowing accurate replication whilst providing superb thermal insulation. To meet strict planning requirements hand or machine drawn glass is available to provide a more authentic reflection.

EXCEPTIONAL BENEFITS AS STANDARD



Customisation

Our range of profiles and finishes enables us to modify any product to precisely match the original for a sympathetic replacement to meet planning requirements.



Coating system

Our sophisticated coating system has been developed to provide a long lasting, low maintenance finish that displays to full effect the natural beauty of the wood.



Exacting precision

All of our products are manufactured to the finest tolerances. Joints fit perfectly and seals are located with absolute accuracy so that the finished product is as robust and weather-proof as it is aesthetically pleasing.



External putty glazing system

Accurately replicating original glazing methods, we utilise modern materials for our putty glazing system to maximise performance.



Flush joints & concealed gaskets

For an authentic appearance, planners usually require flush joints. Concealed gaskets are located discreetly within the window frame to retain warmth and exclude noise and moisture.



Excellent performance

Based on the Traditional Range, we have developed the Historic Range to create an authentic collection of windows and doors that provide excellent thermal, weather, acoustic and security performance.



Historic glazing units

Slim double-glazed units with narrow sightlines allowing for slender glazing bars and sash rails; options for machine and hand drawn glass and for single-glazing are available.



Market-leading guarantees

Our comprehensive guarantees provide the greatest degree of reassurance. Whilst the putty window system carries different guarantees, it is still industry leading.

Timber Casement Windows

Our Historic casement windows were developed to satisfy planning requirements for sympathetic replacement. To replicate original designs, we offer a selection of narrow, putty glazed sash profiles and layouts including the option of arched heads and internal arches to the sash, as well as bay and bow window designs.

For authenticity, this casement window is supplied with period matching casement stays and butt hinges.

Both single- and narrow double-glazing options are available with dual seals for excellent weather and thermal performance. For high levels of security, the windows feature multi-point locking.



Timber Vertical Sliding Sash Windows

With narrow sash rails and thin frames, our Historic sliding sash window sits perfectly in the original opening. For precision matching, we offer a number of different horn styles and authentic window furniture, including sash pulls, stops and fasteners.

Across the Historic Range, our external putty window system and sash options – which match almost any original glazing system – can be specified to meet planning requirements.

To deliver excellent weather performance, as included within the Traditional Range, we have also incorporated our sealing system which features concealed gaskets.

Timber Horizontal Sash Windows

Commonly referred to as Yorkshire sash windows, our horizontal sash window couples a traditional sliding mechanism with advanced draught proofing. A wide range of configurations is available which are designed to match and complement the existing styles of the period property.

Our low resistance track system allows smooth opening and closing with very little effort. Concealed draught seals provide additional weatherproofing. Narrow sash rails accurately replicate the design of original single-glazed examples, although our horizontal sash windows can also be double-glazed.

To enhance security, the windows are fitted with sash fasteners and stops, allowing secure locked and ventilation positions.





Timber Entrance Doors

The timber entrance doors in our Historic Range are a good example of our ability to match original designs. From period features like flush connections to slim-width doors, our flexible range makes it possible to specify a true replica.

Similarly, door layouts and glazing can be configured to create the perfect match.

We have incorporated our multi-point locking system and weather seals to provide enhanced security and weather performance.

Our selection of authentic ironware and furniture provides the finishing touches to create an authentic timber door that is secure, hardwearing and weathertight.

Timber French Doors

The most traditional patio door, our Historic French doorsets can be completely customised to provide an exact match to the original. We offer a number of designs and layouts, including the option of glazed fanlights and sidelights, in addition to a selection of authentic ironware and furniture.

The doors also incorporate concealed multi-point locks with integrated shoot-bolts in the secondary door to provide outstanding security.

Whilst we have included French doorsets as a featured product within our Historic Range, we can customise all patio doors, including sliding and bifold, to incorporate historic detailing for sympathetic replacement in conservation areas.





Contemporary Range

With simple, clean profiles and modern styles, and built around the natural beauty of timber, our Contemporary Range is designed to suit new builds and modernised homes.

Freed from the style restrictions applying to our Traditional and Historic designs, the Contemporary Range includes a wide array of options to achieve your creative ambitions and to create modern and exciting buildings.

Products feature large glass areas and high-performing features, including triple and acoustic glazing. A comprehensive range of frame profiles, layouts, handles and fittings are also available. As always, long life, high performance and low maintenance come as standard.

EXCEPTIONAL BENEFITS AS STANDARD



Customisation

Our range of profiles and finishes enables us to modify any product so that it matches your project requirements, with no compromise in performance and no (or very minor) cost implications.



Coating system

Our sophisticated coating system has been developed to provide a long lasting, low maintenance finish that displays to full effect the natural beauty of the wood.



Exacting precision

All of our products are manufactured to the finest tolerances. Joints fit perfectly and seals are located with absolute accuracy so that the finished product is as robust and weatherproof as it is aesthetically pleasing.



Excellent security

Our products are fitted with multiple locking points and offer secure ventilation positions as standard. We can also meet Part Q / Secured By Design specifications when required.



Enhanced glazing standard

Our own stringent Glazing Visual Quality Standard exceeds that of the Glass and Glazing Federation, which ensures you receive products of the highest possible quality.



Complementary hardware

A collection of modern furniture, including a stainless steel option manufactured from marine grade 316 stainless steel, is available.



Glazing

We offer options of large triple-glazed and acoustic glazing units that provide excellent performance. Solar reduction glazing is also commonly specified in this Range.



Market-leading guarantees

Our comprehensive guarantees provide the greatest degree of reassurance available in the industry.

Timber Casement, Tilt & Turn and Pivot Windows

Our Contemporary Range provides a wide variety of window designs that can be optimised to meet the exacting requirements of the new or modernised home. We offer advanced features like triple-glazing and acoustic double-glazing, plus an extensive choice of handles and other stylistic details.

Flush casement windows support a wide range of layout possibilities, including large triple-glazed units. Tilt & turn windows provide the added flexibility of a continental-style opening mechanism, offering secure ventilation when tilted open.

We can produce pivot windows to any symmetrical (or near symmetric) shape. They will rotate through 180 degrees for purposes of ventilation and easy cleaning from the interior of the property and support sashes up to 250kg in weight.





Timber Entrance Doors

The timber entrance doors in our Contemporary Range can be manufactured with an advanced engineered core featuring a patented steel stabiliser, which provides exceptional strength and stability.

We offer a range of standard designs but we can produce entrance doors to any specified design, allowing you to achieve the exact style your project requires.

Our doors deliver excellent thermal and acoustic performance, while we offer a number of additional features for improved soundproofing and safety. With the option of highly corrosion-resistant, marine-grade stainless steel furniture, these doors offer the very highest levels of quality and durability.

Timber Bifold Doors

Bifold doors are the perfect space saving solution for modern living spaces and are available with a range of layouts and the option of inward or outward opening.

Low profile aluminium thresholds integrate the interior and exterior while still providing excellent weather performance and effortless opening and closing by means of an easily adjustable mechanism.

Multi-point locks, secure hinges and concealed components provide high levels of security and, with the option of triple-glazing, exceptional insulation.





Timber Sliding Doors

Sliding doors offer the largest area of uninterrupted glass. Guided by our own stringent Glazing Visual Quality Standard, we accept only the best glass, guaranteeing the clearest view with maximum light inside.

With a number of innovative features, the timber sliding doors in our Contemporary Range capture the aesthetics of modern architecture. A low-profile cill creates a seamless transition between the interior and exterior of the building. Multi-point locking and a concealed interlocking rail deliver excellent security and weather performance.

Meanwhile, our low resistance rollers deliver a smooth and effortless action that can be easily adjusted after installation.

Materials

When selecting materials, our aim is always to achieve exceptional performance while maintaining the most exacting aesthetic standards.

COATINGS

All of our products achieve a long life with minimal maintenance thanks to our meticulous selection of only the best quality timber, our excellent product design and our advanced coating system. This attention to detail enables us to award the best coatings guarantee on the market: as standard, our coating guarantee is 10 years for paint finishes and 7 years for stain finishes.

Our advanced coating system provides maximum protection to the timber, whilst leaving the wood to display its natural characteristics and allowing it to breathe. We have ensured that performance is

enhanced through the production process by investing in an innovative coating production line, with precise application by a robot in an ultra-high humidity flash off area, which allows the coating to settle. To maintain our high levels of quality assurance, our skilled craftsman visually inspect each product to ensure it meets our exacting standards.

To meet your project requirements, we can provide almost any colour paint or stain, providing it complies with RAL Classic, RAL Design, Natural Colour System (NCS) or British Standard (BS 4800, BS 5252 or BS 381C). Alternatively, we can match any physical sample you provide.



TIMBER

We use only sustainably-sourced timber and we provide full FSC® Chain of Custody for all of our products.

For an opaque paint finish, frames and window sashes are manufactured from Engineered Redwood, free of knots and imperfections. External mouldings and sash window linings are created in Accoya®, which has earned the highest durability rating of any timber, surviving for 25 years when submerged, uncoated, in fresh water. Specifically for doors we use Grandis Hardwood, a stable, clear-faced engineered timber.

These particular timber species have been selected as they provide a stable base for our advanced coating system, promoting a long lasting, low maintenance finished product. If a stain finish is required, as standard we use Grandis Hardwood within the complete product due to its clear faced attractive grain pattern, which exudes the natural beauty of timber.

We can also supply our windows and doors made completely from either Grandis, Oak or Accoya®.



GLASS

Glazing plays an extremely important role in the overall performance of a window. As standard, our windows and doors come with a high performance glazing system optimised for thermal efficiency, high light transmittance and acoustic performance.

Our extensive research into the effects of using different glazing systems for acoustic and thermal performance has resulted in us having the widest range of high performing timber windows in the UK.

We have a broad selection of glazing options available including acoustic reduction, solar reduction and enhanced thermal performance. A triple-glazed system is also available for our Traditional and Contemporary product ranges. Glazing options such as obscure, leaded and coloured glass are also available.

To help address the challenges brought by the sympathetic replacement for listed buildings, the Historic Range includes hand or machine drawn finish glass as well as single-glazing, Pilkington Spacia (Vacuum Glass) and Histoglass.

Service

We have been producing timber windows and doors at our Donington-based factory since 1884. With this depth of experience, you can expect an integrated and expert service at every stage of your project, from initial enquiry through to after-sales service.

Whether you choose supply only or a full supply and installation package, we are always on hand to offer technical guidance and support with building regulations and planning authorities.

The key stages summarised below provide an indication of how we would manage your project:

Initial enquiry

Before we provide a quotation, we would encourage you to supply drawings and/or specifications. To assist you in this, we have a dedicated Resource Centre on our website which includes CAD drawings, technical data sheets, articles and NBS specs. If you are unsure of the specification and need advice, perhaps due to the bespoke nature of the project, we are happy to make an initial site visit.

Quotation support

We will provide a clear, but detailed quotation that meets the requirements of your specification and also present you with any options that we think you may want to consider to get better performance, aesthetics and value. Our estimators are always available to discuss the quotation in detail to allow you to review and develop the specification. If required, we can provide test data and timber samples to support the quote.



Design services

Our design team is on-hand to work on your window and door specification, to ensure that it is optimised to the requirements of the project. This design support can include developing new variations of existing window and door designs to produce the aesthetics required, but at no detriment to the performance of the product.

Order

Upon receipt of order, we will send a confirmation with detailed CAD drawings of the products in elevation and section views. To accompany the drawings, we will also send an approval document which incorporates a specification check list for you to approve before we proceed to manufacture.

Manufacture and installation

Once the production drawings and approval document are signed-off, we will progress to manufacture at our factory in Donington, Lincolnshire. Many of our clients welcome the opportunity to visit our site to watch their 'work in progress'. If you have requested that we provide a turn-key design, supply and installation solution, then installation will be carried out by our own certified commercial installation team.

After sales support

Our mission is to provide an after-sales service that exceeds our clients' every expectation. In the unlikely event of a problem, we will carry out the necessary remedial work in accordance with our product guarantees.

Standards

GUARANTEES

Recognising our attention to detail, our material suppliers have reinforced our guarantees, giving you the confidence of industry leading product guarantees backed by multinational suppliers.



Paint Finish
Manufacturer's guarantee against paint coating system failure.



Stain Finish
Manufacturer's guarantee against stain coating system failure.



Preservative
Manufacturer's guarantee against preservative failure.



Glazing Unit
All drained and vented units have a 10 year manufacturer backed guarantee.



Hardware
Manufacturer's guarantee for all window and door hardware.



Weather Seals
Manufacturer's guarantee against failure of weather seals.

ACCREDITATIONS

As part of our process of continuous improvement, our products and services are assessed and certified to national and international standards, so you can have total confidence in your choice of windows and doors.



ISO 9001:2008
Recognises our commitment to producing quality products using a quality management system, improving customer satisfaction and reducing wastage.



ISO 14001:2004
Recognises our commitment to environmental management, minimising any activities that have a harmful effect on the environment.



FSC®
Our windows and doors are FSC® Chain of Custody certified, showing that all our timber comes from sustainable sources.



Safecontractor
We have secured accreditation from Safecontractor for our commitment to achieving excellence in health and safety.



BFRC
Thermal performance is designed into every product using British Fenestration Rating Council (BFRC) approved tests.



nbs Plus
All of our products feature full specifications conforming to the National Building Specification (NBS) standard.

The **Wood Window Alliance**

Wood Window Alliance
Backed by unbeatable guarantees, our products meet the strict performance, quality and sustainability standards of the Wood Window Alliance.



Achilles Building Confidence
We are approved and registered to the Achilles standard for the building and construction sector.

For more information please
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