Whether you are upgrading your original frames or restoring your home to its former glory, Dale timber casement windows, sash windows and doors will add value to your home. Combining British design with the world’s leading window technologies, the result is a range of engineered timber products packed with innovation but entirely traditional in appearance.

We pride ourselves on our commitment to providing high quality products that not only look great but are engineered to provide a long life of problem free use. Dale product quality is endorsed with robust guarantees that are second to none in the joinery industry.

High quality paint coatings, energy efficient glazing systems and anti-warp, anti-twist timber sections are just some of the features that are ‘designed in’ as standard throughout the range. Security comes as standard too. All glass is fitted from room side to prohibit would-be intruders from gaining entry by removing the panes, whilst high security locking systems secure all opening windows and doors for complete peace of mind.

Sustainability is at the heart Dale’s ethos. Only timber sourced from FSC certified forests in northern Europe is used in the manufacture of our products.

Advanced manufacturing processes, careful quality control and cutting edge IT ensure high levels of service and reliability. We sincerely hope that the contents of this brochure will help you make the right choice and that you will join the many thousands of satisfied customers who have chosen Dale windows and doors for their homes.
Choose Wood...

Today's timber windows and doors are engineered to provide a long-life of problem-free use. Improvements in technology, manufacturing processes and design have resulted in reduced maintenance cycles, better insulation and higher security. Timber can now match or out-perform man-made alternatives and is fast-becoming the preferred material for homeowners seeking to install new windows and doors.

Well made, well specified timber windows and doors add prestige and value to buildings of all periods. Quite simply, wood has a charm and character that man-made alternatives cannot match. The range of engineered timber windows and doors in this brochure not only look good, but provide modern standards of performance and reliability.

Selected quality, knot-free timber is the starting point, always manufactured in sections that are expertly engineered to minimise warping and twisting. We take care to source quality timber substrate, in the knowledge that this saves time and problems later.

Aesthetically pleasing, technologically advanced and when you factor in wood's sustainable green credentials, it's easy to see why so many people are choosing wood for the windows and doors in their home.
Timber, when drawn from sustainably managed sources, is the greenest of all building materials. All our products are manufactured from Northern European, plantation grown stocks - we do not use tropical hardwoods.

Sustainability

Our windows and doors are manufactured in Engineered European Redwood derived from managed plantations in Northern Europe. Long favoured by British joiners, European Redwood is a strong, stable timber whose performance has been proven over time.

Critically, thereafter, modern manufacturing technologies are employed to make maximum use of this precious resource. Key here is the use of finger jointing. Our windows and doors are manufactured by taking shorter pieces of timber, cutting out the defects and mechanically bonding them together again to form longer lengths. Not only does this process ensure better quality, knot free and product, it also dramatically reduces mill wastes thereby further helping the environment.

Achieving high levels of energy efficiency is a key aspect in the design of all our products. We ensure that every casement window we supply has been rigorously tested to BS 6375 Pt 1 for weather tightness and air permeability, and meets or exceeds the criteria for this exacting standard.

We will always look for ways to:
- Produce high quality, durable products that last
- Manufacture from sustainable timber
- Minimise timber wastage through modern manufacturing techniques
- Test all products for weather tightness and air permeability and meet or exceed latest standards
- Provide clear energy ratings

We are proud of our environmental commitment.
Stormproof Windows

High performance timber fenestration to compliment post-war buildings and refurbishments, or in areas prone to extreme weather exposure.

Stormproof windows feature draught stripping, robust sashes which provide robust protection against the elements. This design, mimicking that adopted by aluminium and PVCu casements, lends itself perfectly to modern style buildings and new builds.

Our Stormproof range shares the same technological platform as our Rush Casement with highly efficient double glazing units and advanced draught sealing combining to provide exceptional levels of insulation. Security is provided by means of robust multi-point locking mechanisms and, crucially, internal beading.

A wide range of styles and sizes are available which may be tailored to suit your project's requirements and specifications. With over two hundred colours to choose from our range allow you to precisely determine the look you want for your home.

Technical Accreditations

Our Stormproof window range has been independently tested and approved in accordance with BS 6375:1:2001 and BS 6375:2:2009

Part 1 - Weathertightness

Part 2 - Operation & Strength

And has exceeded requirements for:

Air Permeability (SN 0420)

Watertightness (SN 0271)

Resistance to Wind (SN 1231)

Operating Force (Rh 11046)

Steady Force (En 1400)

Racking (En 46008)

Soft Body Impact (En 10649)

Safety (En 14047)

Replaced opening (En 1171)

The window passed all the necessary criteria for both top and side hung windows.

The Stormproof range has a UPRC **C** energy rating.
Flush Casement Windows

Traditional aesthetics meet modern performance in our flush casement, providing the perfect solution for the upgrade or refurbishment of homes of character.

The traditional proportions of sash and frame make this product a favoured choice for sensitive developments and conservation areas. Modern performance expectations are met too with highly efficient double glazing units and advanced draught sealing combining to provide exceptional levels of insulation. Security is provided by means of robust multi-point locking mechanisms and, crucially, internal beading.

Flush casements suit perfectly to our entrance doors and French doors giving your project total design flexibility. A wide range of styles and sizes are available which may be tailored to suit your project’s requirements and specifications. With over two hundred colours to choose from our range allows you to precisely determine the look you want for your home.

Technical Accreditations

- Manufactured in sustainability certified kiln-dried timber, engineered solid wood window architecture independently tested and approved to assistance with BS 1235-1:2009 and BS 1235-2:2006
- WALL & WATERPROOF
- Part 1 - Operation & Stability
- In line with all statements for:
  - Air Ingressibility (EN 1063)
  - Waterproofness (EN 1013)
  - Resistance to Wire (EN 12211)
  - Operating forces (EN 10546)
  - Static Torsion (EN 21058)
  - Torsion (EN 1490)
  - Impact Body Impact (EN 3049)
  - Safety (EN 14050)
  - Insulated Opening (EN 11991)

- The window passed all the necessary criteria for both top and side hung windows.
- The flush casement range has a BREEAM "A" energy rating.
Box Sash Windows

Sash windows without the rattles and draughts – our well-proportioned box sashes add prestige and value to all discerning new build or refurbishment projects.

Our modern box sash windows faithfully emulate the lines of originals commonly found in Georgian and Victorian homes, but bring 21st century standards of warmth, weathering and performance.

Careful attention to draught stripping eliminates rattles and draughts, whilst energy-efficient glazing maximises solar gain and locks in heat. Our system allows for great dimensional flexibility allowing you to tailor your sash windows to the precise requirements of your project. Slim glazing bars in a wide variety of configurations may be added as required.
Tilt / Turn Windows

Continental style Tilt/Turn Windows are fitted with hinges that allow the sash to turn into the room from the side for ease of cleaning or tilt in from the top for controlled ventilation.

Made-to-measure Tilt/Turns are fitted with high security multi-point perimeter locking with cams and bolts to guard against jemmy attack.

The windows are fully factory finished in a choice of micro-porous paint or stains and are factory glazed with argon gas filled sealed units comprising soft coat energy saving glass to give a 1.1W/m²K U-value.

Externally a colour machined drip bar conceals an in-built drainage system which discharges water efficiently and guards against leaks.
Bi-Fold and Patio Doors

Open up the space between house and garden with our versatile folding/sliding doors, or choose an exceptionally smooth running patio door to make a contemporary design statement.

Our bi-fold doors provide a highly versatile solution to open up the space between house and garden. Doors stack neatly to the inside or outside in a wide range of configurations and can span an aperture of up to nine metres in width. Depending on site conditions, a flush track may be added to form an uninterrupted walkway. Importantly, each door leaf is supported at both the top and the bottom of the jamb providing stability in use and longevity of performance.

Horizontal sliding patio doors can be manufactured with two, three, four or six sliding panels in a variety of configurations and in a width of up to three metres per panel. High security multi-point locking mechanisms, security glazing and anti-lift out devices make them a robust barrier against forced entry.

Energy saving double glazing and high performance paint coatings which provide maximum protection for minimal maintenance are common to the range. Bi-folds and Patios are made-to-measure and factory painted in a wide choice of colours to perfectly compliment your design.
Entrance Doors & French Doors

There's nothing like coming home to a traditional timber front door. Designed to create a focal point, our range comprises twelve select designs each emulating a popular period style. Matching French doors provide access to the garden in classic style.

Entrance doors are available, made-to-measure, in twelve different styles and may be enhanced with a range of feature glasses modelled on authentic Victorian glazing motifs. A wide range of traditional shades or rich bold colours such as moss green, steel blue and ruby red is available. Ironmongery can be added as required including spy holes, letter plates, knocker and security chains.

Double opening French doors can be made to open in or out as best suits your room layout and will suit both traditional and contemporary schemes.

All doors are hung on robust hinges and are fitted with multi-point locking mechanisms to British Insurers Approved standards. We are able to provide door sets that comply with Document M Mobility Access regulations.

The Range

Our range of entrance doors and French doors can be produced in a variety of styles and sizes to suit your projects' needs and are fully factor finished using an advanced microporous paint or stain system.

We manufacture in Engineered redwood sourced from sustainably managed forests using certified suppliers.

We also offer a range of standard oil extensions that will suit your projects’ requirements.

All the components are fully machined using the latest CNC (Computer Numerically Controlled) machinery.

The building of each door follows a process flow that includes stringent quality control systems during every part of the production process.

As with all our products we only manufacture to order. This gives you the assurance of knowing that your door has been handcrafted by skilled craftsmen using modern manufacturing methods.

Entrance Door Styles
Ironmongery Options

Door Handle
- Black, Brass, Chrome, Satin Chrome (shown larger), Bright Bronze, Satin Bronze & White finishes available.

Window Handle
- Black, Brass, Chrome, Satin Chrome (shown larger), Bright Bronze, Satin Bronze & White finishes available.

Letter Plate
- Black, Brass, Chrome, Satin Chrome (shown larger), Bright Bronze, Satin Bronze & White finishes available.

Monkeytail Handle
- Black

Spy Glass
- Brass, Chrome

Safety Chain
- Chrome on Brass

Door Knobs
- Chrome, Brass & Black

Center door knob for Townhouse Door
- Chrome, Brass & Black

Um Door Knob
- Chrome, Brass & Black

Doctors Door Knob
- Chrome, Brass & Black

Paint Colours & Stains
- In addition to our standard palette our products are available in any colour from the K&D Classic™ range, providing a further 210 shades for clients to choose from.

Patterned Glass Options
- Marquis, Cathedral, Monumental, Stained, Stained, Leaded

Decorative Glazing Options
- Ornament 90, Ornament 101, Water Drop, Satin, Satin, Satin
Technical Options & Guarantees

Product Range
Steamproof windows, flush casement windows, sliding sash windows, sliding and turn windows, single entrance doors, double doors, 1½-leaf doors and patio doors.

General Information
All products are made to measure, supplied fully factory glazed and finished. Manufactured from engineered, warp resistant multi-layered timber for strength and stability.

Delivery Period
6 weeks unless otherwise specified.

Timber Species
Engineered Lumber/Redwood

Profiles
Chamfered

Finish
Foil: Any standard RAL colour finish

Glazing
Internal glazing to prohibit removal of the glass from outside

Glazing Options
- Double glazed units - 27mm, 36mm
- Double glazed units - 27mm, 36mm
- Rectangular leadlights: 6mm, 9mm, 12mm flat or oval standard or darkened finish.
- Diamond leaded lights (145mm x 150mm diamond)

Glass
24mm/36mm double glazed units as standard with soft-coat energy saving glass and argon gas filled sealed units. Choice of clear, patterned or sandblasted glass, which may be annealed, toughened or laminated. Self cleaning and noise reducing glasses available upon request.

Locks
Association of British Routiers approved multipoint locking mechanisms on all doors. Secure multi-point locks to windows with night vent position and key lockable handles.

Ventilation
- trickle vents may be fitted to head of frame or head of sash - 851250 (2000), 852500 (4000), 853250 (6000).

Handles
- Standard - matching door and window handles available in polished chrome, satin chrome, white, black, bright bronze, pale bronze, brass.
- Period window handle - black finished monkey tail handle.
- Window may be supplied without handles on request.

Hinges
- All opening windows hang on friction hinges - standard, easy-clean and restrictor options available.

Sidelights
- factory fitted - 15mm, 20mm, 30mm & 40mm

Add-ons
- factory fitted - 10mm-100mm (10mm increments)

Cills
- factory fitted - 90mm, 115mm, 145mm, 165mm, 190mm, 210mm

Shades
- Andes, circles, rakad frames and swept heads within sashes available

Accessories
- A selection of timbers and window boards are available pre-finished to complement the range.

Product Care
Handling
Always ensure that there is adequate labour or the appropriate mechanical lifting gear available on site to safely offload and transport the product on site to avoid causing any damage.

Site Storage
- A long term storage of our products on site is not recommended.
- Timber products should be stored in a dry area and kept away from other site activities to avoid damage to the timber, glass, internal or factory finishes.
- Sashes to store, handle and maintain our timber products appropriately can invalidate your guarantees.

- Always place factory finished and glazed products on bearers and store vertically.
- Any protective wrapping on the product should be left in place until the product is required for installation and care must be taken when removing any protective wrapping.
- Sashes must always be kept in the closed position during the building installation process and any on site glazing should also be carried out with the sashes closed.
- Allow sufficient spacing between each product to prevent handle or all damage, for ease of handling and high air circulation around the products.
- Always avoid storing products in extremes of light or temperature or in unaerated rooms or where wet trades are taking place.

Guarantees

- Timber - 30 years Fungal & insect guarantee
- Subject to fully maintained protective coating

- Sealed Unit - 10 years Sealed Unit Guarantee

- Hardware - 10 years Guarantee

- Manufacturer's warranty

Technical Benefits
Careful design ensures 21st century standards of insulation, security, and low maintenance, without compromising visual appeal.

- Factory-applied micro-porous coatings provide maximum protection.
- Internal beads for added security.
- Neat coloured silicone beads.
- Related glazing beads ensure smooth gaps between frame and head.
- Warm edge spacer bars.
- Drainage and ventilation channels help prevent double glazing from misting.
- Multi-layer timber sections with opposing grains balance wrapping and combi-tanking.