



Environmental Policy

Allan Brothers adopts a strong environmental policy. We use timber, the only truly renewable building material, give preference to suppliers who harvest their timber from well managed, sustainable forests, carefully treat products with preservative after all machining and use predominantly water-based coatings.



ADVANCED CASEMENT WINDOW

The right choice

The Company

Allan Brothers has been providing quality timber products since 1811 and is Britain's longest existing high performance joinery company.

We have a reputation for reliability, availability, high standards of design and craftsmanship and for consistently providing a value for money product and service.

Our range of high performance timber engineered products includes:-

- **Advanced Casement Windows**
- 'Scotdoors' External Doorsets
- Patio Doors - Sliding & French Style
- Panel Doors
- 'H' type Windows
- System 2000+ Windows
- Dual Turn Windows
- Vertical Sliding Sash Windows
- Timedor



All are highly robust, durable and secure, have excellent insulation properties, are easy to install, operate and clean and are long lasting and low maintenance.

ALLAN BROTHERS



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ADVANCED CASEMENT WINDOW

The first choice



ALLAN BROTHERS



Casement Windows

Allan Brothers design and manufacture a range of high performance casement windows. It is side hung on reflex hinges, is externally beaded and has a decorative internal mould on both sash and frame to lend it a more attractive appearance.



The following options are also available on request:

- Top hung on reflex hinges
- Side hung on reflex hinges fitted with a restrictor
- Top hung on reflex hinges fitted with a restrictor
- Side hung on a special 'egress' hinge

The glazing system is always drained and vented to give improved performance.

Construction

The Allan Brothers' **Advanced** casement window is made as standard from quality redwood or hardwood, to suit your preference.

It is constructed from comb jointed traditional slim sections, standard finished sizes being:

Frame Head : 68mm wide x 68mm high
 Frame Sole : 68mm wide x 68mm high
 Frame Jambs : 68mm wide x 56mm high

Sash Heads : 68mm wide x 56mm high
 Sash Sole : 68mm wide x 56mm high

Optional extension cills, of 25mm, 62mm and 87mm, are available to choose from and can be fitted on request. A head drip is fitted as standard.

Sizes

Our **Advanced** casement window is available in the following standard sizes:

Widths (in mm) : 624, 1,200, 1,776, 2,352

Heights (in mm) : 900, 1,050, 1,200, 1,350, 1,500

However, if required, we can manufacture down to the following minimum sizes: Width 300mm Height 400mm

Performance

Our casement window is fully weather-stripped to give excellent performance and has been independently tested and approved to BS 6375 Part 1, achieving a '2,800 Special' exposure category and the following pressure class ratings:

Air permeability: 600Pa
 Water tightness: 300Pa
 Wind resistance: 2,800Pa

Glazing

Using glazing rebates of 40 x 20mm, our **Advanced** casement window is factory fitted as standard with 22mm (4/14/4) 'Low E' double glazed sealed units. The glazing system has timber beads all round as standard, but an alloy bottom bead can be fitted, if required, for improved performance.

The timber beads are fixed using Allan Brothers' fixing system to enhance product integrity and appearance.

Specialist glazing, e.g., argon filled, bronze anti-sun or laminated, can be fitted, if required, to give additional insulation and/or security.

A range of glazing bars and astragals can also be fitted on request.

Security - Advanced Plus range

Designed to meet and exceed the requirements of BS 7950 - Enhanced security for windows in private dwellings. This range offers a stronger and more effective deterrent to would-be burglars and vandals than ever before. This, also combined with the assurance of quality, styling and attention to detail makes Advanced Casement the windows of choice for building companies concerned with user security.

- Security locking by shoot-bolt espagnolette system with 5 locking points up to 1,200mm high and 7 up to 1,350mm high
- Sashes fitted with security steel hinge clips. If hinge is broken or severely damaged, an interlock mechanism is triggered which secures the window in position, preventing access
- High performance security glazing features double sided tape with a silicone infill around the unit and secured with Allan Brothers' glazing system
- Enhanced security to BS 7950 standards



Ironmongery

Hinges

As standard, the Allan Brothers **Advanced** casement window is fitted with a stainless steel adjustable friction hinge which allows opening to 60° for easy cleaning.

If required, this hinge is available with a restrictor to limit initial opening of the window to under 100mm in accordance with BS 8213 Part 1:1991.

In addition, a special hinge which allows opening to 90° can be fitted to meet regulations for emergency access and egress.

Decoration

Allan Brothers products are treated with preservative after all machining. This is applied by means of a double vacuum process in accordance with BS5589:1989 (or BS8417:2003) and NHBC recommendations.

Our water-based coatings are carefully formulated to seal the end-grain against moisture ingress, inhibit tannin stain and give the timber a quality look and feel.

Our **Advanced** casement window is supplied fully finished as standard to extend product life.

Ventilators

Ventilators are fitted as standard within the frame head to eliminate the need for a vulnerable and unsightly external hood.

They comply with current building regulations: Dept. of Environment & Welsh Office, Building Regulations Approved Document F4 1995 Edition and Scottish Executive Technical Standards, Part K Amended December 1999.



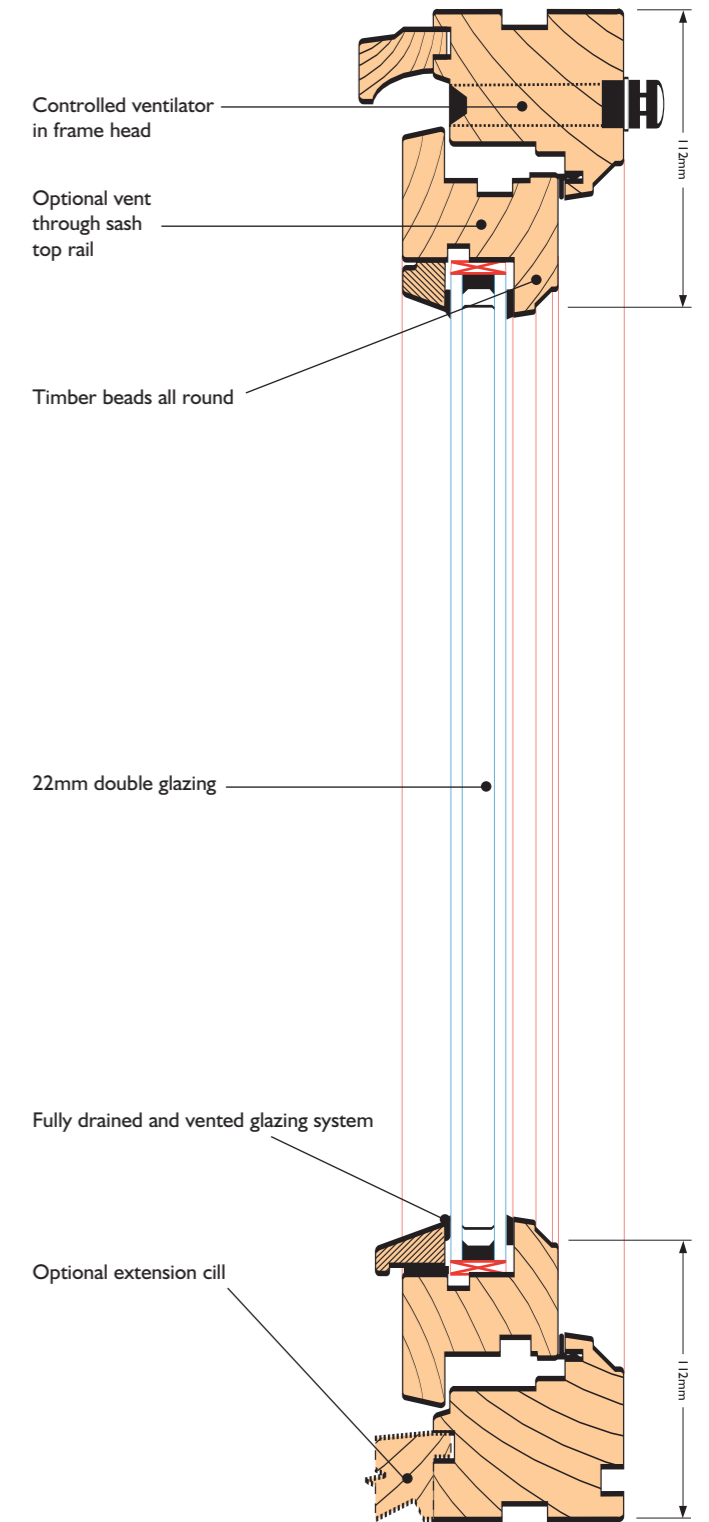
A night vent position on the sash has been built in as standard.

Other Technical Information

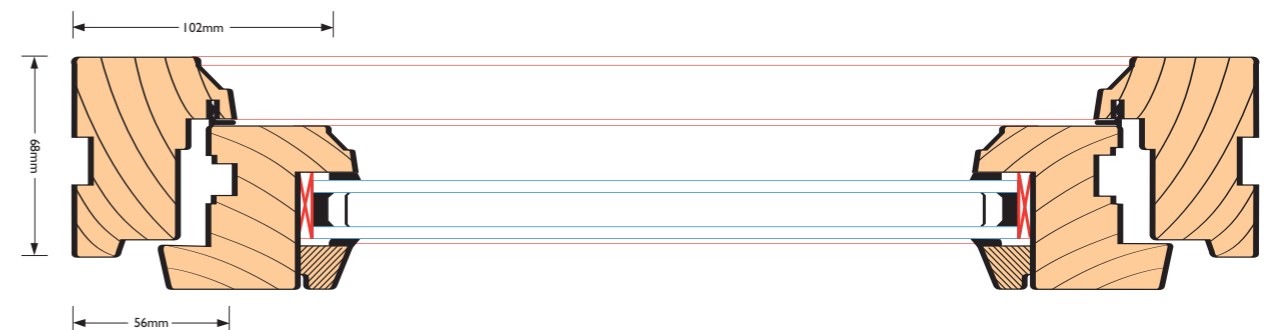
Allan Brothers provides a full technical back-up service covering all aspects of product, glazing and ironmongery performance.

Technical information, including detailed drawings, installation guidelines and operating and maintenance instructions, are available on request.

Note: Section drawings herein are not to scale.



Vertical Section



Horizontal Section