



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.



DUAL TURN WINDOWS

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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DUAL TURN WINDOWS

The first choice



ALLAN BROTHERS



Dual Turn Windows

Are designed to replicate the fenestration of traditional sliding sash windows whilst, at the same time, being able to meet the demanding performance levels expected today.

The wide range of sizes, glazing and glazing bar specifications and finishes that are available means that, no matter what your requirements, our Dual Turn window will meet them.

Construction

Our Dual Turn windows can be made from quality redwood or hardwood. The choice is yours!

Sections are used which are as close as possible to those of the traditional sliding sash, the standard finished sizes being:

Frame Head	140 x 68mm
Frame Sole	140 x 68mm
Frame Jambs	140 x 68mm
Sash Heads	68 x 56mm
Sash Sole	68 x 56mm
Sash Stiles	68 x 56mm

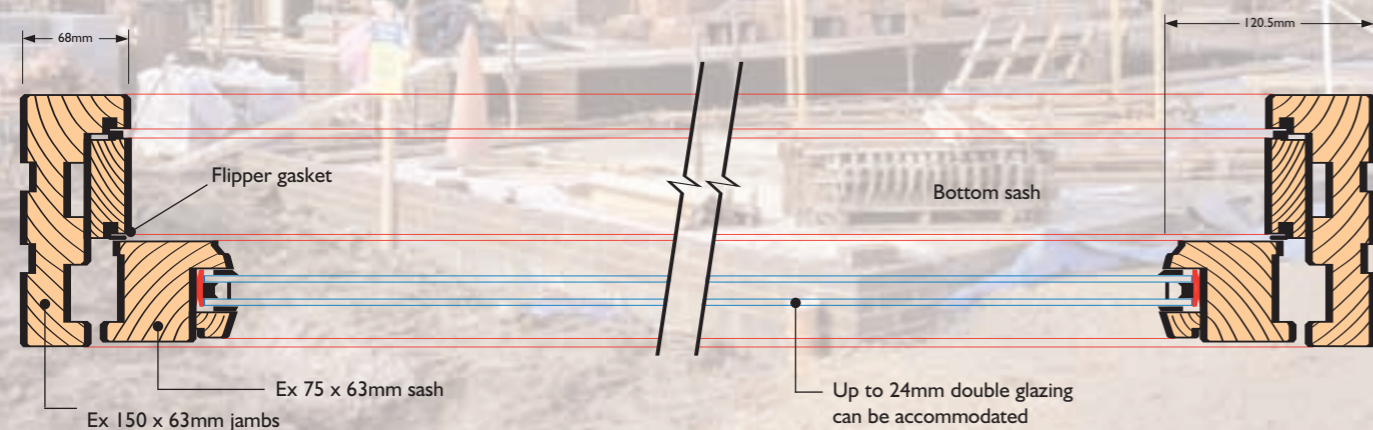
Performance

Our Dual Turn windows have been tested independently and approved to BS 6375 Part 1.

The following ratings were achieved:

Air Permeability	: 600Pa
Water Tightness	: 300Pa
Wind Resistance	: 2,400Pa

Note: Section drawings herein are not to scale.



Horizontal Section

Glazing

The standard double glazing unit is 22mm (4/14/4) featuring 'Low E' glass and using a drained and vented system to ensure excellent thermal and sound insulation.

Specialist units, for additional insulation and security, are available on request.

Timber beads are used all round to further enhance the traditional appearance. The beading is fixed using Allan Brothers' fixing system to enhance product integrity and appearance.

In addition, security glazing tapes can, if required, be fitted to the internal upstands, making it virtually impossible to remove the glazing units from the outside.

A range of glazing bars and astragals are also available on request.

Ironmongery

Each sash is hung on fully concealed top hung reversible hinges incorporating opening restrictors and an anti-blow back device.

The sashes operate totally independently of each other allowing maximum flexibility of use to the end user.

Both sashes are fitted with a pair of top quality locking fasteners as standard in a choice of colours.



Ventilators

Ventilators are fitted within the frame head to ensure the clean lines and traditional appearance of the windows are not lost through the presence of modern external vent hoods.



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.

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.

Fire Escape and Access

On certain sizes, the replacement of the bottom sash with a side hung, inward opening sash allows our dual turn window to be used for either fire escape or access purposes in compliance with current regulations: Dept. of Environment & Welsh Office - Means of escape from fire, facilities for fire fighting and means of warning of fire in dwellings, Part B and Scottish Executive Technical Standards - Means of escape from fire, facilities for fire fighting and means of warning of fire in dwellings, Part E Amended December 1999.

Other Technical Information

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

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

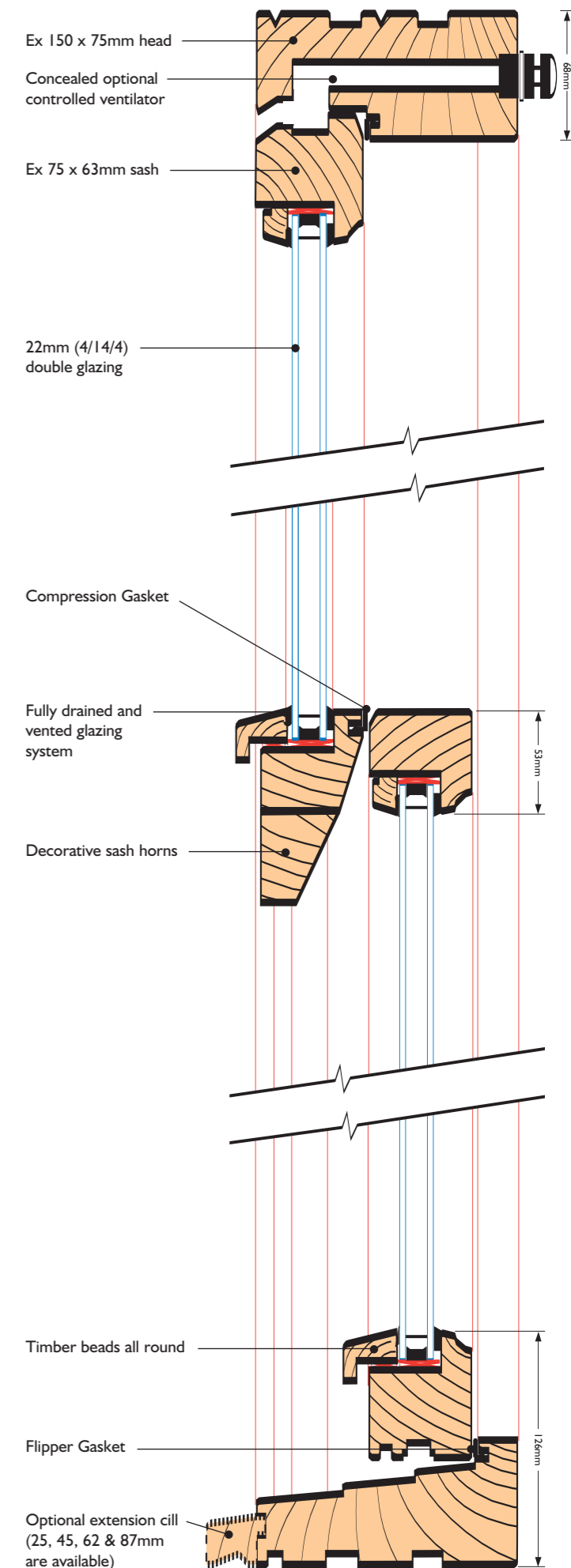
Note: Section drawings herein are not to scale.



Sashes in vented position



Sashes reversed for cleaning



Vertical Section