

SMARTWOODTM WINDOWS & DOORS

MAIN FEATURES

- High specification 'composite' windows and doors with an interior timber cladding for aesthetic appeal and a hard wearing aluminium exterior.
- For architectural and residential applications.
- Aluminium exterior with timber interior cladding. Timber options include cedar, kwila, jarrah, beech, oak, macrocarpa and most other furniture-type timbers.
- Product range comprises:
 - Awning windows
 - Casement windows (including French casement pairs)
 - Bi-fold windows
 - Sliding windows
 - Hinged doors
 - French doors
 - Bi-fold doors
 - Sliding doors
 - Duo sliding doors
- Generous 24mm weather cover on frame.
- A PVC thermal insulator between the aluminium and timber cladding prevents condensation transfer and enhances thermal performance.
- Continuous sight lines are optional across sashes, doors and adjoining fixed lights on all products.
- Secure fixings exist between timber and aluminium faces - a clip on system supplemented by invisibly placed fixing screws.

WINDOWS

All sashes and fixed lights are bead glazed on all sides for maximum 6.38mm single glazing and 24mm double glazing. A special bead is also available to allow the use of 32mm double glazed units featuring the Screenline internal blind system.

Awning / Casement / Fixed Light Frame has a platform width of 38mm, an overall width of 53mm and 24mm of weather cover.

Bi-Fold Window Frame has a platform width of 67mm, an overall width of 70mm (excluding roller / guide track) and 24mm of weather cover.

Sliding Window Frame has a platform width of 75mm, an overall width of 113mm and 24mm of weather cover.

Sightline Adaptor, box section for awning / casement / fixed light / sliding window frames to maintain continuous sight lines between sashes (or sliding panels) and fixed lights.

French Casement pairs utilise French door frame and rebated meeting stiles as well as hinged door stiles and rails. Locking is with a Miro or Icon swivel operator.

REFER CROSS SECTIONAL DRAWINGS.

MULLIONS AND TRANSOMS

Four standard mullions are offered, with timber thicknesses of 32mm, 42mm, 54mm and 73mm. A 135° mullion for bay windows, a 90° mullion for corner or box windows, and an adjustable angle mullion are available.

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COLONIAL GLAZING BARS

24mm stick-on raised aluminium bar fitted to the outside with timber bar on the inside.

FLASHINGS

SmartwoodTM has a range of standard flashings.

CURVING

FIRSTTM has a range of SmartwoodTM window extrusions that can be curved to suit most requirements.

FINISH / COLOUR

Powder Coated in a wide range of colours.

Anodised silver or bronze as standard, 12 micron thickness. Other colours and thicknesses are available.

GLASS

Double glazed units from 24mm to 32mm thick are available; also single glazing 4mm to 12mm. Other glass thicknesses may be used in accordance with NZS 4223: Glazing in Buildings.

The full range of glass types can be included in this product. For further information consult your local SmartwoodTM distributor.

PERFORMANCE

SmartwoodTM complies with NZS 4211 : 1985 Performance of Windows. Certificates can be provided on request.

A guarantee for all SmartwoodTM products is provided under normal conditions of use against failure of materials and workmanship for five years from the date of practical completion.

SIZES

Awning Sashes are capable of a range of sizes, with awnings up to 1600mm high x 1000mm wide and casements up to 1600mm high x 800mm wide recommended. Larger sashes are able to be constructed dependent on the width, height, weight (including glass), hardware and wind zone.

Bi-Fold Windows have a maximum panel weight of 30kg per leaf, with a maximum sash of 1800mm high x 900mm wide. For advice on larger bi-fold sashes consult your SmartwoodTM distributor. For even panel configurations (eg. 2-panel, 2 + 2p. etc) a minimum panel width of 650mm is required.

Sliding Windows have been tested to panel sizes of 1800mm high x 1200mm wide and conform to the highest wind rating at this size. Larger panels are therefore likely to perform satisfactorily in lower wind zones.

Consult your SmartwoodTM distributor for professional advice on appropriate sized sashes fit for purpose.

HARDWARE

Friction stays for awnings are in black powder coat aluminium or stainless steel, and for casements in stainless steel.

Cam handle type MiroTM or Icon fastener for awnings or casements fixed to the sash with separate striker fixed to the jambliner.

MiroTM bi-fold twin-bolt lock for French casement pairs and bi-folding windows.

Hook lock (adjustable), snib operated, for sliding windows with recessed pull or small MiroTM D handle.