

## DATA SHEET

### 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.

### 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.

### COLONIAL GLAZING BARS

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

## DATA SPECIFICATION

### FLASHINGS

Smartwood™ has a range of standard flashings.

### CURVING

Altherm™ has a range of Smartwood™ 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 Smartwood™ distributor.

### PERFORMANCE

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

A guarantee for all Smartwood™ 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 Smartwood™ 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 Smartwood™ 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 Miro™ or Icon fastener for awnings or casements fixed to the sash with separate striker fixed to the jambliner.

Miro™ 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 Miro™ D handle.