

LOUVRES

MAIN FEATURES

- Louvres are an option where easily controlled ventilation with minimum projection is required.
- Altherm™ use the Altair louvre system from Breezway, Australia, which fits into the awning or casement frame, METRO SERIES, APL ARCHITECTURAL SERIES, SMARTWOOD and 40mm Window Series.
- A 102mm (4 inch) or 152mm (6 inch) glass, aluminium or timber louvre is available.
- Altair louvres comply with New Zealand weatherproofing requirements up to a 'very high' wind zones when used together with the louvre 'weather bar' system.
- All operating mechanisms and bars are non-corrosive and are hidden in the louvre mullion, giving a clean and compact appearance.
- A fixed louvre system is also available for ventilating plant rooms and similar areas.

FRAME TYPES

Altherm™ Awning Frame accepts a special subframe for the louvre mullions to clip into. The subframe is also placed at the sill and head and allows easy placement of weather bars.

BLADE TYPES

102mm (4 inch) Glass, Aluminium and Timber Louvre Blade (Altair System)

The 102mm (4 inch) width louvre accepts glass, aluminium or timber blades. The blade thickness range is 5.5mm to 6.4mm for glass, 6mm for aluminium and 6mm (rebated) for the timber blade. The 102mm louvre is available in banks of from 3-33 blades (see Trim Height table following for window size).

152mm (6 inch) Glass, Aluminium and Timber Louvre Blade (Altair System)

The 152mm (6 inch) louvre accepts glass, aluminium or timber blades. The blade thickness range is 5.5mm to 6.4mm for glass, 6mm for aluminium and 6mm (rebated) for the timber blade. The 152mm louvre is available in banks of from 2-21 blades (see Trim Height table following for window size).

PERFORMANCE

Altair louvres comply with the weatherproofing requirements of NZS 4211: 2008 Performance of Windows. Tests carried out confirm they can be used in very 'high' wind zones provided the weather bar system is fitted.

As louvres cannot be double glazed, glass louvres are not recommended where windows are required to meet high levels of thermal efficiency. Aluminium louvres are similarly not recommended in such situations.

FLASHINGS

Altherm™ has a range of standard flashings. It is recommended that louvres are always fitted with appropriate weather bars at the head and sill.

FINISH / COLOUR

Plastic handles and blade clips are supplied in black and white as standard but can be colour-matched to the louvre mullion, if required, across a nominated popular colour range (for further information refer Hardware on next page).

Louvre mullions can be powder coated in a wide range of colours.

Anodised silver and bronze mullions are supplied as standard in 12 micron thickness.

Other colours and thicknesses may be available.

SPANS

Maximum spans of 900mm are recommended (wind zone dependent). For advice on longer spans consult your Altherm™ manufacturer. Longer spans require double control i.e. a handle on either side.

HARDWARE

Left hand control is standard with right hand control available on request. Double control is also available.

The standard colour for handles and blade clips is black or white. Where required louvre handles and blade clips can be colour matched to the louvre mullion for a range of approximately 30 nominated popular powder coat colours. For a silver anodised finish handles and clips can be supplied in closely matching silver plastic. Louvre mullions can be supplied in any of the standard Orica powder coat finishes outside the nominated 30+ colour range but may not be able to be supplied with matching handles and clips. In such cases handles and clips would be supplied in black.

For blade lengths exceeding 800mm wide, double control should be fitted. Alternatively a double control bar linking both sides can allow easy manipulation. For remote louvres e.g. those at high levels, remote winding gear can be used.

FIXED ALUMINIUM LOUVRES

The Altherm™ fixed aluminium louvre system is ideal for ventilating plant rooms, and fits into doors or walls. The blades are 38mm front-to-back and sit in a channel / sub-frame 41mm wide. They can be fitted into Magnum or other commercial doors, Shopfront suites and the Altherm™ Residential Series.

The fixed louvre is available powder coated or anodised.

Flyscreens are easily fitted to the inside of the fixed aluminium system.

Maximum spans of 900mm are recommended. Greater spans are able to be achieved with the use of a stiffening bar. Contact should be made with your Altherm™ manufacturer if wider spans are required.