

SPECIFICATIONS



Vollay V4000 CLS-M – Casement Louvre System-Motorised

Outer frame and battens to be manufactured from extruded aluminium section alloy 6063 and tempered to T6, which complies with AS 1866:1997

Base member to be 100 x 50 x 8mm thick extruded aluminium structural “U” channel, which will be machined with tapered ends per drawing.

Side member to be 3mm thick 6063 tempered to T6 extruded aluminium with a tapered edge as per drawings and a concealed channel for fixing of the battens.

The extruded aluminium box member has 2 concealed screw flutes that take a 5mm socket head bolt to attach to it to the stiles through a series of pre-drilled holes to space the battens.

Once assembled, a full-length extruded interlocking cover plate then slides into the stiles, which is then held in place with 3mm thick aluminium end plates at each end of the stile.

All battens are surface finished with the Vollay™ wood grain finish as per the samples provided.

All fixings are stainless steel 304.

Top and bottom pivots are to be stainless steel, with a 25mm shaft attached to a foot, which is then attached to the structure.

The top pivot is to have a HDPP bush to stop metal-to-metal contact. The bottom pivot is to support the panel using a sealed thrust stainless steel bearing.

The panel will be operated via a linkage, attached to the rear of the panel at its base that connects onto a 150 x 80mm extruded motor housing to encase the motor and tilting mechanism. The motors will be linked to a wind sensor, one at each end of the building, which will close them in extreme wind conditions.

LOUVRES SOLUTIONS FOR ALL SEASONS



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Wood Grain Finish:

Base coat is a 15-year warranty Interpon powder coat. Transfer printing produces the image, the sections are pre-treated to AS3715-2002 and powder coated, then baked to 120 degrees. The section is then inserted into a plastic sleeve which has the image printed on it.

A vacuum is applied and the film comes in contact with the aluminium set powder coat. The powder coat is then re-heated to 220 degrees, at which point, the image is transferred through the powder as it heats up and softens, then the powder is then fully cured. Our wood grain powder coat complies with AS3715-2002. This finish is covered by a 10-year warranty.

Aluminium shall be extruded to Australian Standards AS 1866:1997.

Aluminum sections shall be powder coated to AS 3715-2002.

Aluminum sections shall be anodized to AS 1231-2000 and complies with corrosion resistance as per AS1580.457.1.

All fixings, bolts, screws and Pivots are manufactured from Stainless Steel.

All plastic parts are manufactured from UV resistant HDPP (High Density Polypropylene) or similar.

Please contact our office for a complete range of CAD drawings or any further assistance.

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