

SPECIFICATIONS



Vollay V2000 ABS – Aluminium Balustrade System

The V2000 Aluminium Balustrade System is designed to provide elegant, slim and stylish system. It is based on a full-length structural aluminium extrusion attached to one of the three of the system types, to the slab, allowing the option to use both a wide range of fixing system and enabling the ability of additional fixings allowing the load to be spread over the length of the balustrade, eliminating the need to core drill for posts.

The system can be either installed into the floor or positioned in from the slab edge. With the use of another base angle from the range it can be attached onto the slab edge while being able to be fitted onto both slab edge top and faces. The third option is by using another aluminium member from the system, the balustrade will be fitted to the slab edge and by using one of several extended legs it will enable the system to cover the slab edge.

The system is based in a full-width structural angle that is fitted to the slab at the desired position using a series of “Chemset” or suitable fixings. This enables a stronger system as the load is spread more evenly along the slab edge verses only where the posts are located.

To one of the three base extruded aluminium angles is attached the slim line extruded aluminium posts which are spaced at the desired spacing, subject to the glass code and wing loadings.

The posts are attached through a range of machined holes in the base angle through the extruded aluminium post into the stainless steel insert within the post. This allows us to use a slim 40mm wide extruded aluminium post. The posts include an inbuilt flange, which holds a captured gasket, allowing the glass to be inserted and replaced from inside the opening, making it ideal for multi-storey buildings.

The glass is clamped into place with a full-length lower “U” channel, which allows a change of gasket type, the option to accommodate glass thickness of up to 16mm. the side clamping system, which are part of the post system slides over the post and is held in place with stainless steel cap head fixings into counter bored holes.

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The glass is able to extend past the post tops to have a minimal impact. The glass is edge capped with a custom extrusion and this allows the benefits of a high glass panel with minimal visual impact.

The handrail is an extruded aluminium section, which is 50mm in diameter, has the option for the inserted of a 40 x 5mm galvanized steel bar on flat to provide additional rigidity and enables the system to comply with Australian Standard Balustrade Codes.

The handrail is sealed at either end with 3mm thick aluminium end caps and is attached with concealed fixings underneath, using 6mm stainless steel fixings to a "T" shaped stainless steel bracket. The "T" post threads into the top of the post through a 5mm thick top plate, enabling the desired "T" bracket the ability to locate the handrail at this optimum location.

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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