

Altura Series® Chevron Vertical Louvres

The Louvreclad Altura Series® are extruded aluminium vertical chevron louvres engineered for high performance. They are well-suited for commercial vertical plant room enclosures that demand maximum rain resistance, good airflow, and zero-vision screening.

Features

PERFORMANCE

High Airflow & Rain Defence

Tested to AS 4740:2025, Altura Series achieves up to Class A 99% rain defence with Class 2 aerodynamics and 60%-80% free open area, ideal for high ventilation needs.

AESTHETICS

Vertical Linear Aesthetic

Zero vision screening with 145mm and 300mm chevron louvres. Available in powder-coated or anodised finishes, assembled as panels or continuous louvres.

DESIGN

Customisable Configuration

Engineered for large continuous plant screens or smaller modular designs. Altura Series® louvres engineered and certified to AS 1170 to support spans up to 1700mm and lengths up to 6000mm.

Specifications

AUSTRALIAN STANDARDS

AS 4740:2025/2000 CFD

ORIENTATION

Vertical

MATERIAL

6060 T5 Extruded Aluminium

FINISH

Powder coated or anodised

ACCESSORIES

Bird/vermin mesh Insect mesh Blanking sheets Dust filters Security screens and bars Integrated louvred doors

INSTALLATION

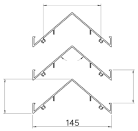
Installation and mounting details will be designed in accordance with proprietary systems and recommendations as designed and manufactured by Louvreclad.

Explore the profile options

Altura Series® 145

Zero vision, extruded aluminium vertical chevron louvres





Class 2 AERODYNAMICS	0.51 CD DISCHARGE COEFFICIENT	0.232 m2 EFFECTIVE AERODYNAMIC AREA
60 % FREE OPEN AREA	145 mm DEPTH	Variable mm WIDTH
62.5 PITCH	2000 mm MAX SPAN	24kg/m2 WEIGHT
Vertical ORIENTATION		

Altura Series® 300

Zero vision, extruded aluminium vertical chevron louvres





Class 2 AERODYNAMICS	0.5 CD DISCHARGE COEFFICIENT	0.264 m2 EFFECTIVE AERODYNAMIC AREA
80 % FREE OPEN AREA	300 mm DEPTH	Variable mm WIDTH
100 PITCH	1200 mm MAX SPAN	28kg/m2 WEIGHT
Vertical ORIENTATION		

AS 4740:2025 Rain Resistance

Altura Series® 145

Rain penetration classification at each core velocity.

Ventilator core velocity (m/s)	0	0.5	1	1.5	2	2.5	3	3.5
Effectiveness E (%)	100%	100%	100%	100%	100%	100%	99%	98%
Classification	Class A	Class A	Class A	Class A	Class A	Class A	Class A	Class B

Tested to AS 4740:2025, the Altura Series 145 achieved Class A rain resistance with an average rain penetration effectiveness of 99%. The results demonstrate excellent rain defence performance across the full tested core velocity range of 0–3.5 m/s.

Altura Series® 300

Rain penetration classification at each core velocity.

Ventilator core velocity (m/s)	0	0.5	1	1.5	2	2.5	3	3.5
Effectiveness E (%)	100%	100%	100%	100%	100%	100%	95%	91%
Classification	Class A	Class A	Class A	Class A	Class A	Class A	Class B	Class C

The results concluded the ventilator has fair rain defense performance at the core velocities from 0-3.5m/s summarised in the table above. The average rain penetration effectiveness for this model was 98% in Class B rating. (AS4740:2000 CFD Verified only)

Technical Data Disclaimer

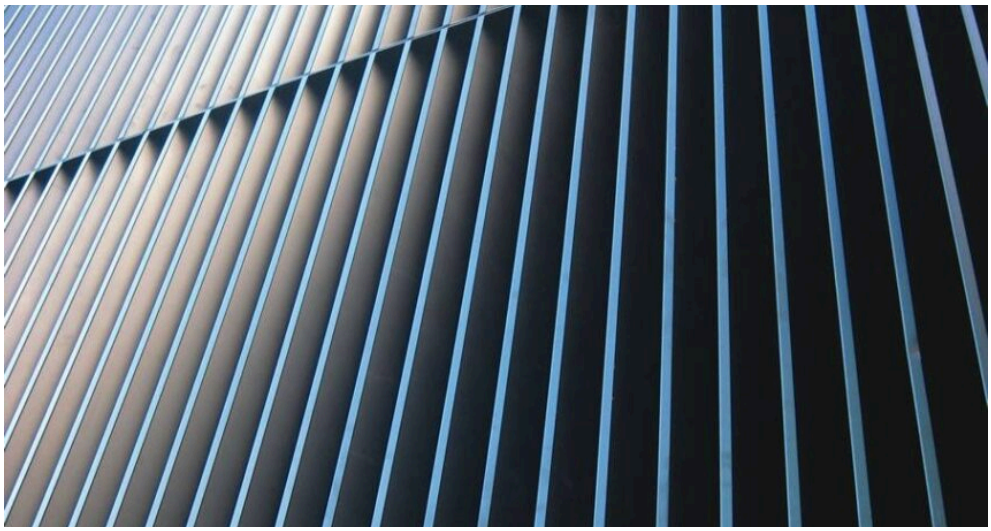
- Indicative maximum span provided are based on generic permissible design wind pressure of 2kPa.
- Span values and product technical information provided are subjected to variance by project specific requirements & influence factors such building location, terrain category & local pressure effects.
- Span values provided are based on typical scenario where product specified are fixed at one end; simply supported at the other end and in either horizontal or vertical orientation.
- If the product specified is required to function as barrier for fall protection or as trafficable element, maximum span and pitch nominated may be reduced.
- Spans values provided could be influenced and reduced when used in dynamically sensitive wind environment.
- Once printed or downloaded, this document is considered uncontrolled. Users should verify they are referencing the latest approved version.
- Altura Series® 300 Rain Resistance: Compliance verified by AS 4740:2000 CFD analysis only.

For project specific product selection or preliminary design & engineering consultation, please contact 1300 165 678 or sales@louvreclad.com to arrange or book a meeting.



Inspire with Quality

As leaders in the building envelope market, we are known for exceptional quality and lasting value. Our credibility, wealth of knowledge, and unmatched competence enable us to inspire exterior solutions that look good and perform better.



The MadeRight Guarantee

Following our proven process enables us to develop solutions we're proud to put our mark of quality to. We guarantee that all projects will be delivered in a timely manner, be on specification, engineered to Australian standards and finished to the highest quality.



Made to Perform

Louvreclad solutions are made to last and manufactured on-site using high-quality Australian aluminium and steel. As an organisation we are driven to get a thousand things right everyday to achieve our vision to be the face of Australian Building.
Our facades are not here to be average, they are here to perform – and so are we.

Speak to an expert

Reach out today to discuss your facade solution requirements; we would love to hear from you.