

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 plant room enclosures that demand maximum airflow, effective rain defence, and zero-vision screening.

Features

PERFORMANCE

High Airflow & Rain Defence

Tested to AS 4740:2000, achieves up to Class B 98% rain defence with Class 1 aerodynamics. 145mm and 300mm louvres offer 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

Performance tested to AS/NZS 4740:2000 (CFD)

FINISH

Powder coated or anodised

ORIENTATION

Vertical

ACCESSORIES

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

MATERIAL

6060 T5 Extruded Aluminium

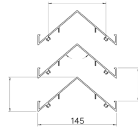
INSTALLATION

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 1

AERODYNAMICS

0.714 CD

DISCHARGE COEFFICIENT

0.31 m²

EFFECTIVE AERODYNAMIC AREA

Class B

RAIN RESISTANCE

96 %

EFFECTIVE RAIN RESISTANCE

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 1

AERODYNAMICS

0.725 CD

DISCHARGE COEFFICIENT

0.47 m²

EFFECTIVE AERODYNAMIC AREA

Class B

RAIN RESISTANCE

98 %

EFFECTIVE RAIN RESISTANCE

80 %

FREE OPEN AREA

300 mm

DEPTH

Variable mm

WIDTH

100

PITCH

1200 mm

MAX SPAN

28kg/m²

WEIGHT

Vertical

ORIENTATION



AS 4740:2000 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%	98%	98%	95%	94%	87%
Classification	Class A	Class A	Class A	Class B	Class B	Class B	Class C	Class C

The results concluded the ventilator has fair rain defence performance at the core velocities from 0-3.5m/s as summarised in the table above. The average rain penetration effectiveness for this model was 96% in Class B rating.

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 s summarised in the table above. The average rain penetration effectiveness for this model was 98% in Class B rating.

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.
- This product is not tested to NCC Performance Requirements FP1.1 (rainwater management) and FP1.4 (weatherproofing).
- Once printed or downloaded, this document is considered uncontrolled. Users should verify they are referencing the latest approved version.
- Altura Series® Louvres: AS 4740:2000 compliance verified by 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.

