

Cascade Series® Fixed Aluminium Louvres

Louvreclad Cascade Series® offers 100mm pitch aluminum louvres for maximum airflow and Class A rain defense. Ideal for low pressure drops and maximum rain defense, and available in prefabricated or continuous systems.

Features

PERFORMANCE

High Airflow & Rain Defence

Single Stage achieves Class D rain defence and 64% open area. Two Stage achieves Class A 100% rain defence, ensuring optimal airflow and weather protection.

AESTHETICS

Horizontal Linear Aesthetic

Features 100mm pitch aluminium louvres in single and two-stage options. Powder-coated or anodised finishes, available as prefabricated panels or continuous systems.

DESIGN

Customisable Configuration

Ideal for mechanical plant rooms and commercial screening. Engineered for blade spans up to 1000mm and lengths up to 6500mm, compliant with NCC and Australian Standards.

Specifications

AUSTRALIAN STANDARDS

Performance tested to AS/NZS 4740:2000

ORIENTATION

Horizontal

MATERIAL

6060 T5 Extruded Aluminium

FINISH

Powdercoat or Anodised

ACCESSORIES

Bird/vermin mesh Insect mesh
Blanking sheets Dust filters
Security screens and bars
Integrated louvred doors
Dampers 2nd stage louvre

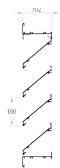
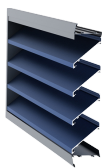
INSTALLATION

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

Explore the profile options

Cascade Series® Single Stage

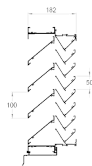
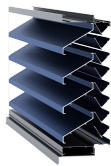
Single stage, extruded
aluminium fixed louvres



Class 2 AERODYNAMICS	0.612 CD DISCHARGE COEFFICIENT	0.32 m2 EFFECTIVE AERODYNAMIC AREA
Class D RAIN RESISTANCE	52 % EFFECTIVE RAIN RESISTANCE	64 % FREE OPEN AREA
102 mm DEPTH	Variable mm WIDTH	100 mm PITCH
1200 mm MAX SPAN	12kg/m2 WEIGHT	Horizontal ORIENTATION

Cascade Series® Two Stage

Two-stage, extruded
aluminium fixed louvres



Class 2 AERODYNAMICS	0.562 CD DISCHARGE COEFFICIENT	0.16 m2 EFFECTIVE AERODYNAMIC AREA
Class A RAIN RESISTANCE	100 % EFFECTIVE RAIN RESISTANCE	50 % FREE OPEN AREA
182 mm DEPTH	100 mm PITCH	1200 mm MAX SPAN
25kg/m2 WEIGHT	Horizontal ORIENTATION	



AS 4740 Rain Resistance

Cascade Series® Single Stage

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 (%)	63%	58%	55%	52%	50%	47%	45%	43%
Classification	Class D	Class D	Class D	Class D	Class D	Class D	Class D	Class D

The results concluded that the ventilator has low rain defense performance at the core velocity from 0-3.5m/ss summarised in the table above. The average rain penetration effectiveness for this model was 52% under Class D rating.

Cascade Series® Two Stage

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%	100%	100%
Classification	Class A	Class A	Class A	Class A	Class A	Class A	Class A	Class A

The results concluded the ventilator has excellent rain defense 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 100% in Class A 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.
- 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.



Made to Perform

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