

Cascade Series® Fixed Aluminium Louvres

Louvreclad Cascade Series® offers 100mm pitch **aluminium louvres** for maximum airflow and good rain resistance. Available in single stage and two-stage configurations to suite a range of screening and weather protection requirements.

Features

PERFORMANCE

Maximum Airflow and Rain Defence

Discharge Coefficient tested to AS 4740:2025, with CFD-verified rain resistance up to Class A for superior airflow and weather protection.

AESTHETICS

Sleek Aluminium Design for Contemporary Facades

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

DESIGN

Customised for Any Project

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

AS 4740:2025/2000 CFD

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 Intergrated louvred doors Dampers 2nd stage louvre

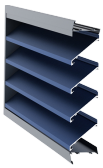
INSTALLATION

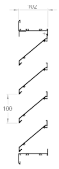
Installation and mounting details will be designed in accordance with proprietary systems and recommendations as designed and manufactured by Louvreclad.

Explore the profile options

Cascade Series® Single Stage

Single stage, extruded aluminium fixed louvres

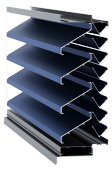


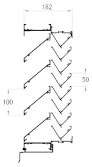


Class 2 AERODYNAMICS	0.612 CD DISCHARGE COEFFICIENT	0.32 m2 EFFECTIVE AERODYNAMIC AREA
Class D RAIN RESISTANCE	52 % EFFECTIVE RAIN RESISTANCE	64 % FREE OPEN AREA
102 mm DEPTH	Variable mm WIDTH	100 PITCH
1200 mm MAX SPAN	12kg/m2 WEIGHT	Horizontal ORIENTATION

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 PITCH	1200 mm MAX SPAN
25kg/m2 WEIGHT	Horizontal ORIENTATION	

AS 4740:2000 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 defence 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. (AS 4740:2000 CFD Verified only)

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 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 100% in Class A rating. (AS 4740:2000 CFD Verified only)

Technical Data Disclaimer

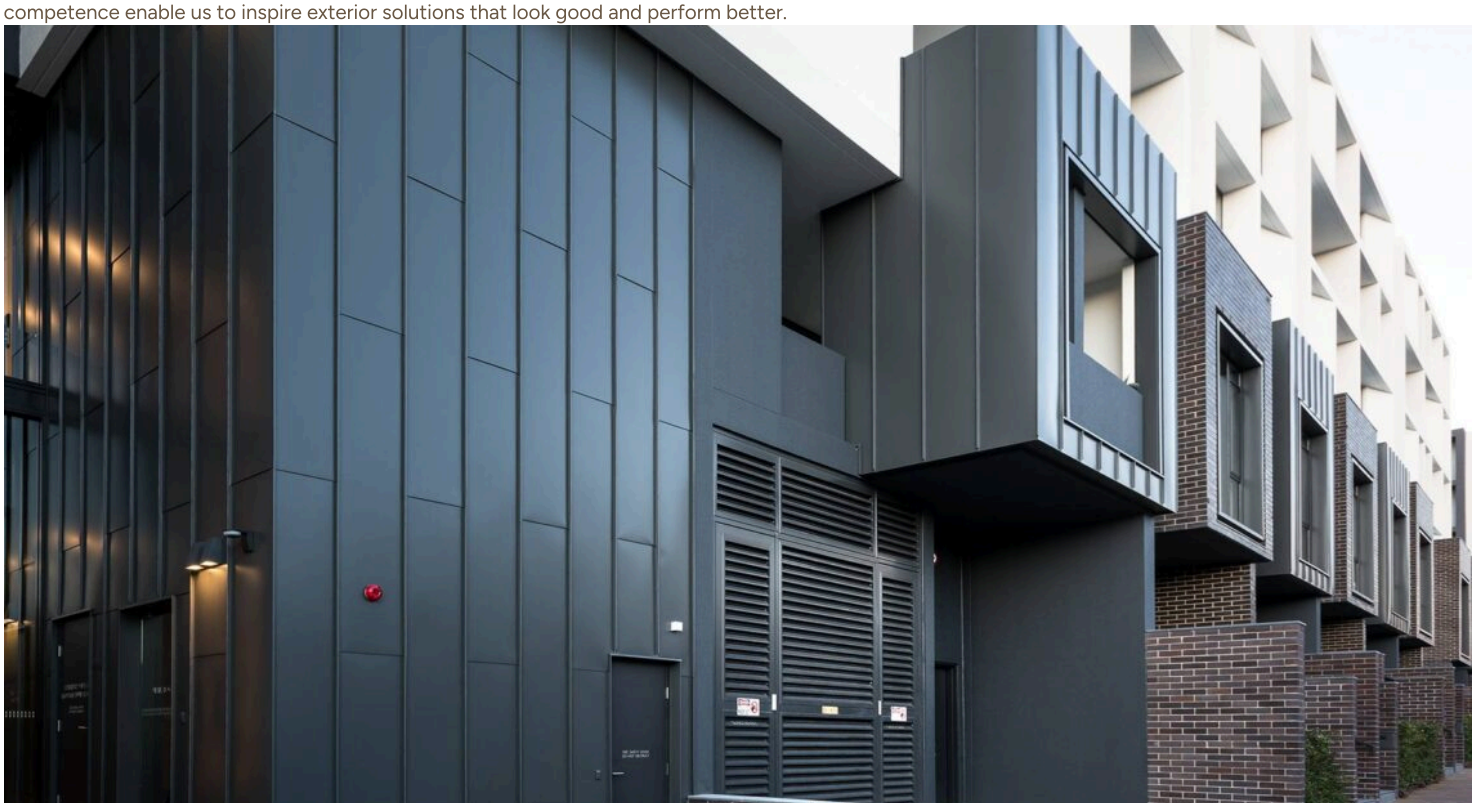
- Indicative maximum span provided are based on generic permissible design wind pressure of 2kPa.
- Span values and product technical information provided are subjected to variance by project specific requirements & influence factors such building location, terrain category & local pressure effects.
- 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 a barrier for fall protection or as a 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.
- Cascade 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.victor.nichestudio.biz 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 every day 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.