Louvreclad
architectural exteriors

Jupiter Series® Performance Louvres

Louvreclad Jupiter Series® is a 100mm deep high-performance louvre with excellent rain defence and aerodynamics. Perfect for plant rooms, air intakes, and louvre doors, customisable to your project's needs.

Features

PERFORMANCE

Exceptional Ventilation & Rain Defence

AS 4740:2025 tested airflow performance with CFD-verified rain resistance from Class C to Class A. Ideal for commercial applications requiring high-performance louvres.

AESTHETICS

Seamless Design Options

Available as single, two-stage, or drainable louvres. Customisable for modular panels or continuous applications, ensuring a cohesive, uninterrupted façade.

DESIGN

Drainable Louvres

Can be equipped with individual catchment gutters to prevent water cascading, ensuring reliable performance in adverse weather conditions. Perfect for outdoor industrial screening and ventilation.

Specifications

AUSTRALIAN STANDARDS

AS 4740:2025/2000 CFD

FINISH

Powder coated or anodised

ORIENTATION

Horizontal

ACCESSORIES

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

MATERIAL

6060 T5 Extruded Aluminium

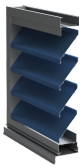
INSTALLATION

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

Explore the profile options

Jupiter Series® Standard

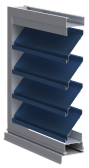
High-performance extruded aluminium louvres



Class 2 AERODYNAMICS	0.53 CD DISCHARGE COEFFICIENT	0.188 m2 EFFECTIVE AERODYNAMIC AREA
55 % FREE OPEN AREA	102 mm DEPTH	125 PITCH
1200 mm MAX SPAN	11kg/m2 WEIGHT	Horizontal ORIENTATION

Jupiter Series® Drainable

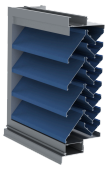
Drainable extruded aluminium louvres

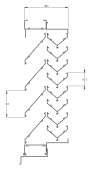


Class 2 AERODYNAMICS	0.54 CD DISCHARGE COEFFICIENT	0.191 m2 EFFECTIVE AERODYNAMIC AREA
55 % FREE OPEN AREA	102 mm DEPTH	125 PITCH
1200 mm MAX SPAN	13kg/m2 WEIGHT	Horizontal ORIENTATION

Jupiter Series® Two Stage

Two-stage extruded aluminium louvres





Class 4 AERODYNAMICS	0.28 CD DISCHARGE COEFFICIENT	0.95 m2 EFFECTIVE AERODYNAMIC AREA
50 % FREE OPEN AREA	204 mm DEPTH	125 PITCH
1200 mm MAX SPAN	30kg/m2 WEIGHT	Horizontal ORIENTATION

AS 4740:2000 Rain Resistance

Jupiter Series® Standard

Rain penetration classification at each core velocity.

Ventilator core velocity (m/2)	0	0.5	1	1.5	2	2.5	3	3.5
Effectiveness E (%)	93%	92%	91%	90%	89%	87%	84%	80%
Classification	Class C	Class C	Class C	Class C	Class C	Class C	Class C	Class D

The results concluded the ventilator has fair rain resistance 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 88% in Class C rating. (AS 4740:2000 CFD Verified only)

Jupiter Series® Drainable

Rain penetration classification at each core velocity.

Ventilator core velocity (m/2)	0	0.5	1	1.5	2	2.5	3	3.5
Effectiveness E (%)	92%	90%	90%	89%	87%	84%	80%	76%
Classification	Class C	Class C	Class C	Class C	Class C	Class C	Class C	Class D

The results concluded the ventilator has fair rain resistance 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 86% in Class C rating. (AS 4740:2000 CFD Verified only)

Jupiter 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 that the ventilator has excellent rain resistance performance at the core velocity from 0-3.5m/s as summarised in the table above. The average rain penetration effectiveness for this model is 100% with 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 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.
- Jupiter 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.

Speak to an expert

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