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

Tested to AS 4740:2000, Jupiter Series® offers Class C/Class A rain defence and Class 1/Class 3 aerodynamics. Ideal for industrial and 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

Performance tested to AS/NZS 4740:2000

ORIENTATION

Horizontal

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 Dampers

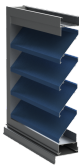
INSTALLATION

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

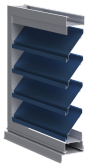
High-performance extruded aluminium louvres



Class 1 AERODYNAMICS	0.739 CD DISCHARGE COEFFICIENT	0.26 m2 EFFECTIVE AERODYNAMIC AREA
Class C RAIN RESISTANCE	88 % EFFECTIVE RAIN RESISTANCE	55 % FREE OPEN AREA
102 mm DEPTH	125 PITCH	1200 mm MAX SPAN
11kg/m2 WEIGHT	Horizontal ORIENTATION	

Jupiter Series® Drainable

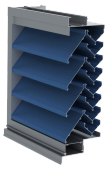
Drainable extruded aluminium louvres

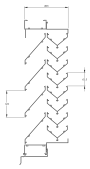


Class 2 AERODYNAMICS	0.688 CD DISCHARGE COEFFICIENT	0.25 m2 EFFECTIVE AERODYNAMIC AREA
Class C RAIN RESISTANCE	86 % EFFECTIVE RAIN RESISTANCE	55 % FREE OPEN AREA
102 mm DEPTH	125 PITCH	1200 mm MAX SPAN
13kg/m2 WEIGHT	Horizontal ORIENTATION	

Jupiter Series® Two Stage

Two-stage extruded aluminium louvres





Class 3 AERODYNAMICS	0.386 CD DISCHARGE COEFFICIENT	0.14 m2 EFFECTIVE AERODYNAMIC AREA
Class A RAIN RESISTANCE	100 % EFFECTIVE RAIN RESISTANCE	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.

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.

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.

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.