Nexus Series® Commercial Louvres

Louvreclad Nexus Series® 100mm deep aluminium louvres feature a weather lip for enhanced rain protection. Ideal for plant rooms, air intakes, and louvre doors, and designed with a horizontal linear aesthetic.

Features

PERFORMANCE

Optimal Rain Defence

Provides Class A to Class C rain defence with Class 2 to Class 4 aerodynamics. Equipped with a weather lip for enhanced protection against rain.

AESTHETICS

Robust and Customisable

Ideal for plant rooms, air intakes, and exhausts. Nexus Series® includes standard, drainable, and two-stage louvres for tailored performance in various commercial and industrial applications.

DESIGN

High-Performance Ventilation

Designed for areas with high weather exposure, ensuring maximum airflow and rain defence. Suitable for large industrial louvre banks and cyclonic conditions.

Specifications

AUSTRALIAN STANDARDS

Performance tested to AS 4740:2000

ORIENTATION

Horizontal

MATERIAL

6060 T5 Extruded Aluminium

FINISH

Powder coated or anodised

ACCESSORIES

Bird/vermin mesh Insect mesh Rain sensors Dampers Dust filters Security screens and bars Integrated louvred doors

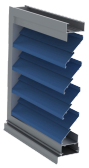
INSTALLATION

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

Explore the profile options

Nexus Series®

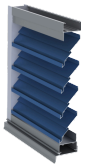
Versatile extruded aluminium louvres with weather lip



Class 3 AERODYNAMICS	0.473 CD DISCHARGE COEFFICIENT	0.25 m2 EFFECTIVE AERODYNAMIC AREA
Class C RAIN RESISTANCE	80 % EFFECTIVE RAIN RESISTANCE	50 % FREE OPEN AREA
102 mm DEPTH	125 PITCH	1200 mm MAX SPAN
11kg/m2 WEIGHT	Horizontal ORIENTATION	

Nexus Series® Drainable

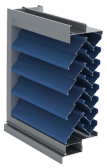
Drainable extruded aluminium louvres

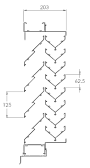


Class 2 AERODYNAMICS	0.606 CD DISCHARGE COEFFICIENT	0.5 m2 EFFECTIVE AERODYNAMIC AREA
Class C RAIN RESISTANCE	80 % EFFECTIVE RAIN RESISTANCE	50 % FREE OPEN AREA
102 mm DEPTH	125 PITCH	1350 mm MAX SPAN
12kg/m2 WEIGHT	Horizontal ORIENTATION	

Nexus Series® Two Stage

Two-stage extruded aluminium louvres





Class 4 AERODYNAMICS	0.238 CD DISCHARGE COEFFICIENT	0.12 m2 EFFECTIVE AERODYNAMIC AREA
Class A RAIN RESISTANCE	99 % EFFECTIVE RAIN RESISTANCE	50 % FREE OPEN AREA
204 mm DEPTH	125 PITCH	1350 mm MAX SPAN
30kg/m2 WEIGHT	Horizontal ORIENTATION	

AS 4740 Rain Resistance

Nexus Series®

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 (%)	84%	84%	82%	81%	80%	78%	77%	72%
Classification	Class C	Class C	Class C	Class C	Class C	Class D	Class D	Class D

The results concluded the ventilator has fair rain resistance performance at the core velocities from 0-3.5m/sas summarised in the table above. The average rain penetration effectiveness for this model was 80% in Class C rating.

Nexus 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 (%)	86%	84%	84%	83%	80%	78%	75%	72%
Classification	Class C	Class C	Class C	Class C	Class C	Class D	Class D	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 80% in Class C rating.

Nexus Series® Two Stage

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 (%)	100%	100%	100%	100%	100%	100%	99.50%	95.70%
Classification	Class A	Class A	Class A	Class A	Class A	Class A	Class A	Class B

The results concluded that the ventilator has excellent rain resistance performance at the core velocity from 0-3m/s as summarised in the table above. The average rain penetration effectiveness for this model was 99% under 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.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 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.