

Aerion Series® Class A1 Louvre

The Louvreclad Aerion Series® is the world's highest performing vertical/horizontal louvre. Aerion Series® is engineered for Class A 99-100% effective rain resistance and Class 1 aerodynamics, delivering a sleek, zero-vision ventilation screen.

Australian Design Registration No: 202519716

Features

PERFORMANCE

Lowest Pressure Drop

Engineered and rigorously tested to AS 4740:2025, delivering advanced aerodynamic efficiency and exceptionally low pressure drop performance.

AESTHETICS

Seamless Facade Integration

Seamless lines, minimal framing, and large max spans. Your facade will look beautiful.

SUSTAINABILITY

Low-Carbon Aluminium

Extremely low-carbon aluminium options are available to meet carbon compliance requirements.

Specifications

AUSTRALIAN STANDARDS

Performance tested to AS 4740:2025 (CFD)

ORIENTATION

Vertical/Horizontal

MATERIAL

6060 T5 Extruded Aluminium

FINISH

Dulux powder coat range,
Interpon powder coat range,
Sapphire anodised range,
Universal anodised range

ACCESSORIES

Vermin mesh, insect mesh,
SL81 mesh

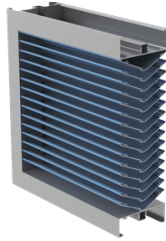
INSTALLATION

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

Explore the profile options

Aerion Series® Horizontal

A-1 horizontal louvre system



Class 1

AERODYNAMICS

0.79 CD

DISCHARGE
COEFFICIENT

0.41 m²

EFFECTIVE
AERODYNAMIC AREA

Class A

RAIN RESISTANCE

99-100%

EFFECTIVE RAIN
RESISTANCE

68%

FREE OPEN AREA

150mm

DEPTH

Variable

WIDTH

25mm

PITCH

1500mm

MAX SPAN

35kg/m²

WEIGHT

Horizontal

ORIENTATION

AS 4740:2025 Rain Resistance

Aerion Series® Horizontal

Ventilator Core Velocity (m/second)	0	0.5	1	1.5	2	2.5	3	3.5	4	4.5	5
Effectiveness Standard Range (%)	100%	100%	100%	99.8%	99.7%	99.6%	99.5%	99%	-	-	-
Classification	A1	A1	A1	A1	A1	A1	A1	A1	-	-	-

Standard range allows for nominal rainfall rate of 75 L/hr/m² and a wind velocity of 13 m/s.



Award-Winning

Industry-acclaimed innovation

Proud recipient of the ZAK World of Facades Innovation Award and AIRAH Awards 2025, setting the benchmark for next-generation louvre performance.



Technical Data Disclaimer

- Performance data presented is for a nominal 1x1m louvre tested to AS 4740:2025. Project specific performance may vary with louvre size and installation details - please refer to [Louvre Performance Calculator](#) or contact [Louvreclad technical team](#).
- Indicative maximum spans provided are based on a 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 as building location, terrain category & local pressure effects.
- Spans values provided are based on a typical scenario where products 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, the 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.
- Aerion Series® Louvres: AS 4740:2025 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.

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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1300 165 678

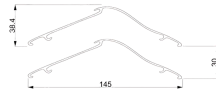
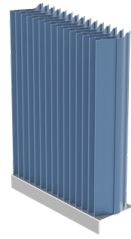
sales@louvreclad.com

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Explore the profile options

Aerion Series® Vertical

A-1 vertical louvre system



Class 1

AERODYNAMICS

0.81 CD

DISCHARGE
COEFFICIENT

0.45 m²

EFFECTIVE
AERODYNAMIC AREA

Class A

RAIN RESISTANCE

99-100%

EFFECTIVE RAIN
RESISTANCE

73%

FREE OPEN AREA

150mm

DEPTH

Variable

WIDTH

30mm

PITCH

3000mm

MAX SPAN

30kg/m²

WEIGHT

Vertical

ORIENTATION

AS 4740:2025 Rain Resistance

Aerion Series® Vertical

Ventilator Core Velocity (m/second)	0	0.5	1	1.5	2	2.5	3	3.5	4	4.5	5
Effectiveness Extended Range (%)	99.3%	99.0%	99.0%	99.0%	99.5%	99.4%	99.3%	99.2%	99.3%	99.4%	99.2%
Effectiveness Standard Range (%)	99.9%	99.9%	99.8%	99.9%	100.0%	100.0%	100.0%	100.0%	-	-	-
Classification	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1

Standard range allows for nominal rainfall rate of 75 L/hr/m² and a wind velocity of 13 m/s.

Extended range allows for nominal rainfall rate of 203 L/hr/m² and a wind velocity of 22.4 m/s.

