Delta Series® Perforated Louvre

Louvreclad Delta Series® is a high-strength perforated steel louvre providing security and ventilation, ideal for high-traffic or impact-prone areas. It is highly impact-resistant, and suitable for smoke exhaust.

Features

PERFORMANCE

High Strength & Ventilation

Good ventilation and versatile rain defence. Heat tested to maintain structural integrity for 2 hours at 300°C. Tested to withstand impacts up to 140kg, ideal for high-traffic areas.

AESTHETICS

Robust Design

Roll-formed perforated steel louvres with zero vision screening, and built-in vermin mesh. Available in Colorbond®, Zincalume®, and Unicote® finishes, suitable for horizontal or vertical installation.

DESIGN

Versatile Configuration

Offered as single-stage or two-stage louvres, with options for solid cladding. Engineered for blade spans up to 2400mm and lengths up to 7200mm, ensuring security and durability.

Specifications

AUSTRALIAN STANDARDS

Performance tested to AS/NZS 4740:2000

ORIENTATION

Horizontal, Vertical, Invertable

MATERIAL

Zincalume® or single-sided Colorbond® high tensile steel

FINISH

Colorbond® Steel, Colorbond® Ultra & Metallic, and the Zincalume® standard range

ACCESSORIES

Insect mesh, Blanking sheets, Dust filters, Security screens and bars, Integrated louvred doors, Dampers

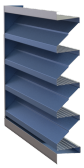
INSTALLATION

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

Explore the profile options

Delta Series® Horizontal

High-strength perforated steel single stage louvres



Class 2 AERODYNAMICS	0.602 CD DISCHARGE COEFFICIENT	0.22 m2 EFFECTIVE AERODYNAMIC AREA
Class D RAIN RESISTANCE	75 % EFFECTIVE RAIN RESISTANCE	48 % FREE OPEN AREA
94 mm DEPTH	125 PITCH	2000 mm MAX SPAN
12kg/m2 WEIGHT	Horizontal ORIENTATION	

Delta Series® Vertical

High-strength perforated steel single stage louvres

Class 2 AERODYNAMICS	0.602 CD DISCHARGE COEFFICIENT	0.22 m2 EFFECTIVE AERODYNAMIC AREA
Class D RAIN RESISTANCE	75 % EFFECTIVE RAIN RESISTANCE	48 % FREE OPEN AREA
94 mm DEPTH	125 PITCH	2000 mm MAX SPAN
12kg/m2 WEIGHT	Vertical ORIENTATION	

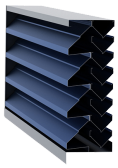
Delta Series® Blanked

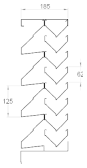
High-strength steel acoustic rated louvres

25 Rw RW ACOUSTIC RATING	0.0 CD DISCHARGE COEFFICIENT	0.0 m2 EFFECTIVE AERODYNAMIC AREA
94 mm DEPTH	0.5 mm THICKNESS	125 PITCH
2000 mm MAX SPAN	12kg/m2 WEIGHT	Horizontal, Vertical ORIENTATION

Delta Series®
Two-Stage

High-strength perforated steel two-stage louvres





Class 3 AERODYNAMICS	**0.391 CD** DISCHARGE COEFFICIENT	**0.14 m2** EFFECTIVE AERODYNAMIC AREA
Class A RAIN RESISTANCE	**100 %** EFFECTIVE RAIN RESISTANCE	**42 %** FREE OPEN AREA
188 mm DEPTH	**125** PITCH	**2000 mm** MAX SPAN
35kg/m2 WEIGHT	**Horizontal** ORIENTATION	

AS 4740 Rain Resistance

Delta Series®

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 (%)	83%	81%	79%	76%	75%	74%	69%	62%
Classification	Class C	Class C	Class D	Class D	Class D	Class D	Class D	Class D

The results concluded that the ventilator has low rain resistance performance at the core velocity from 0-3.5m/s s summarised in the table above. The average rain penetration effectiveness for this model was 75% under Class D rating.

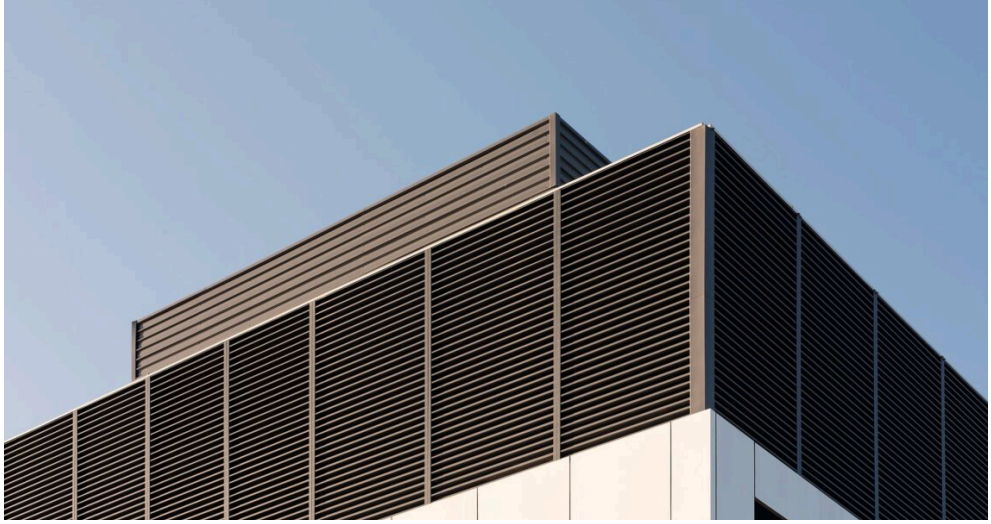
Delta Series® Two Stage

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%	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 resistance performance at the core velocities from 0-3.5m/s s summarised in the table above. The average rain penetration effectiveness for this model was 100% in Class A rating.

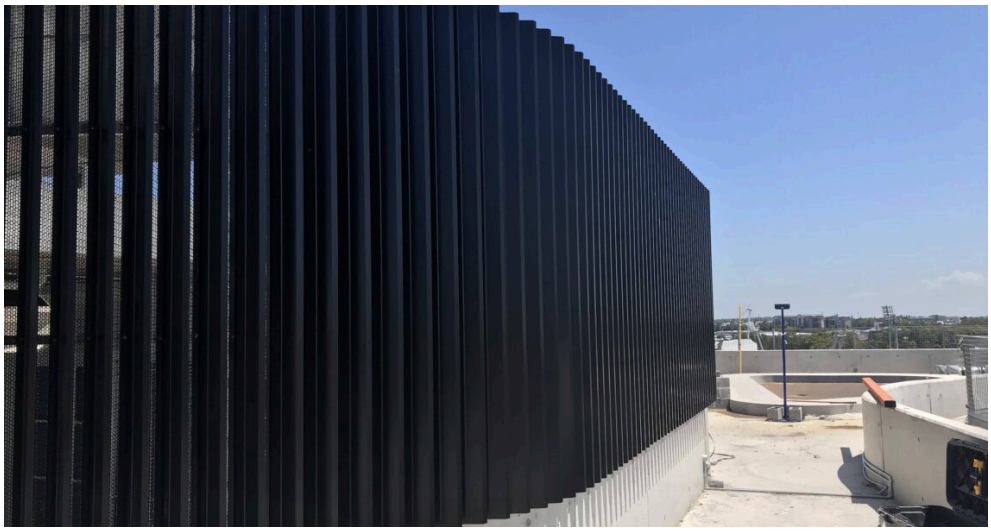
Technical Data Disclaimer

- 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.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.