

Neptune Series® Slimline Louvre

Louvreclad Neptune Series® is a 48mm slimline aluminium screening louvre designed for seamless integration with Kensington Series® and Ellenborough Series® plant screens and louvre doors. It is also well suited to small grilles and general architectural screening applications.

Features

PERFORMANCE

Efficient Ventilation

Tested to AS 4740:2025 for airflow performance, with CFD-verified Class D rain resistance and 50% free open area.

AESTHETICS

Slimline Design

48mm deep aluminium profile with a 62.5mm pitch. Available in powder-coated or anodised finishes, suitable for horizontal and vertical installations.

DESIGN

Versatile Integration

Ideal for louvre doors, small grilles, and general screening. Integrates seamlessly with Kensington Series® and Ellenborough Series®, offering a continuous louvre look.

Specifications

AUSTRALIAN STANDARDS

AS 4740:2025/2000 CFD

ORIENTATION

Horizontal
or
Vertical

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

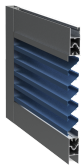
INSTALLATION

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

Explore the profile options

Neptune Series®

48mm deep single stage extruded aluminium louvres



Class 2 AERODYNAMICS	**0.54 CD** DISCHARGE COEFFICIENT	**0.231 m2** EFFECTIVE AERODYNAMIC AREA
Class D RAIN RESISTANCE	**72 %** EFFECTIVE RAIN RESISTANCE	**50 %** FREE OPEN AREA
47 mm DEPTH	**62.5** PITCH	**950 mm** MAX SPAN
12kg/m2 WEIGHT	**Horizontal, Vertical** ORIENTATION	

AS 4740:2000 Rain Resistance

Neptune 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 (%)	76%	75%	74%	73%	71%	70%	68%	66%
Classification	Class D	Class D	Class D	Class D	Class D	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 72% in Class D 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.
- Neptune 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.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.