



Varsity Series[®] Single Stage Louvres



Louvreclad's Varsity Series[®] is a traditional roll formed louvre profile from precision sheet metal construction, providing a versatile ventilation and screening solution for commercial buildings and structures.

Distinctive Features:

- Louvre material is 0.55 base metal thickness
- Single and two stage options providing effective weatherproofing where required
- Available in Colorbond[®] steel, Colorbond[®] Ultra & Metallic range and Zinalume[®] standard range

Attention to Detail:

- 125mm blade pitch
- 53% free open area
- Maximum blade span: 1500mm
- Max blade length: 7200mm
- Maximum side channel length: 4000mm



AERODYNAMIC EXCELLENCE

Performance tested to AS/NZS 4740:2000



Rain Defence: Standard: Class D

Aerodynamics: Standard: Class 2

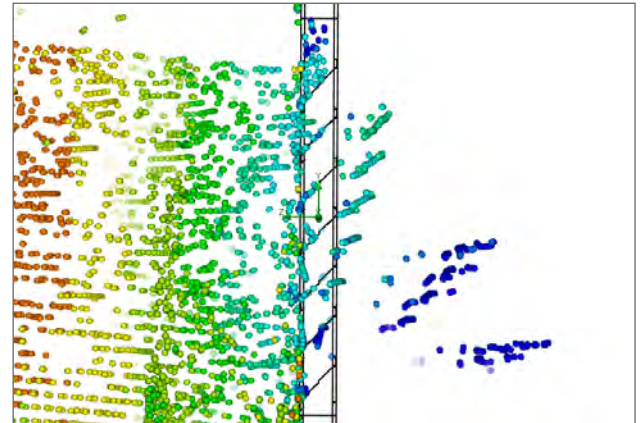
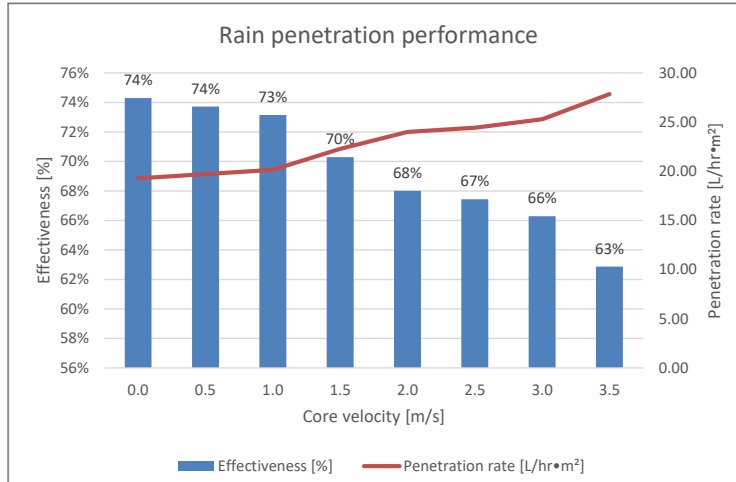
Note: Full CFD report available on request.



visit louvreciad.com phone 1300 165 678

PERFORMANCE DATA

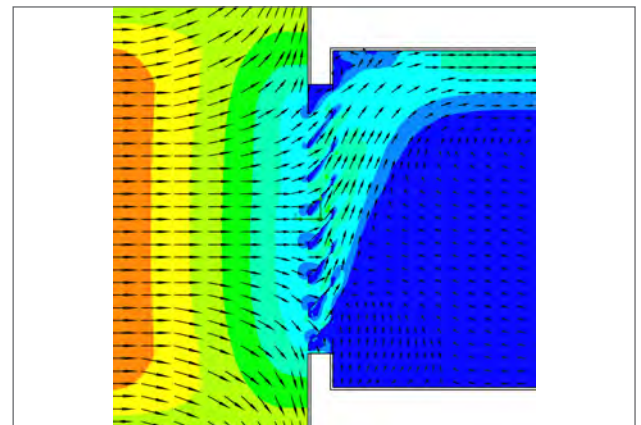
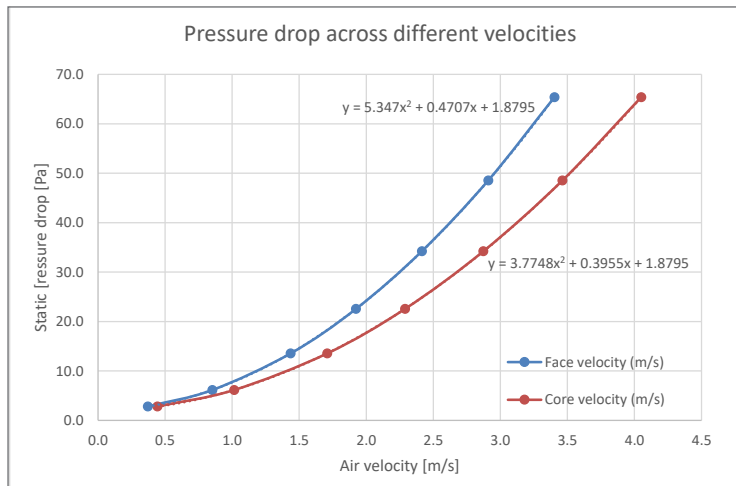
Performance tested to AS/NZS 4740:2000 Louvreclad Varsity Series[®] this 125mm pitch high-strength roll formed steel weather louvre system achieves a Class D for rain defence and a Class 2 for aerodynamics with face velocities up to 1.4m/s and Class 1 rating from 1.4-3.4ms while providing 53% free open area. An excellent screening and ventilation louvre for all applications that require maximum aerodynamics and where rain defence is less important.



Rain penetration

Rain Defence tested to AS/NZS 4740:2000

Rain penetration analysis is tested to AS/NZS 4740:2000 and was conducted at a constant rain flow rate with ventilation rates ranging from 0.5m3/s to 3.5 m3/s. The results concluded that the ventilator has excellent rain defence performance and is summarized in Table 2. The average rain penetration effectiveness at core velocities from 0 to 3.5m/s was 75% effective achieving a Class D rating



Velocity vectors

Aerodynamics tested to AS/NZS 4740:2000

This aerodynamics and discharge coefficient analysis was conducted to AS/NZS 4740:2000 with the ventilation rate ranging from 0.4m/s to 3.4m/s. Table 2 summarizes the ventilator's aerodynamic performance at different face velocities, resulting in an average discharge coefficient of 0.602 and effective aerodynamic area of 0.22m² while achieving a Class 2 performance rating.

DRAFT SPECIFICATION

Louvres will be Louvreclad Varsity Series® single stage Performance tested to AS/NZS 4740:2000 Louvreclad Varsity Series® this 125mm pitch high-strength roll formed steel weather louvre system achieves a Class D for rain defence and a Class 2 for aerodynamics with face velocities up to 1.4m/s and Class 1 rating from 1.4-3.4ms while providing 53% free open area.

Base Material & Finish

Louvres will be manufactured in 0.55mm thick pre-finished high tensile steel [select base material] in [select colour].

Accessories

Louvres will be fitted with [nominate options/accessories from the selection].

Installation and Mounting

Installation and mounting details will be designed in accordance with proprietary systems and recommendations as designed and manufactured by Louvreclad Pty. Ltd. Phone: 1300 165 678 Email: sales@louvreclad.com

Base Material Options

- Zinalume®
- Colorbond®
- Galvabond®

Finishes Available

Choose from the following range of finishes:

- complete Colorbond® range
- Specialised coatings are also available on request

Accessories

Bird/Vermin Mesh

Select from the following:

- galvanised
- stainless steel
- plastic
- perforated metal
- expanded metal

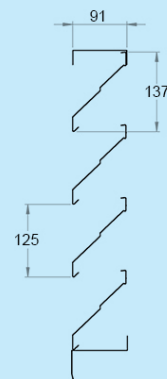
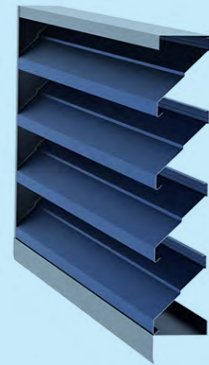
Insect Mesh

Select from the following:

- aluminium
- fibreglass
- stainless steel
- perforated metal

PROFILES

Varsity Series® standard louvre



EARLY CONTRACTOR INVOLVEMENT

Early Contractor Involvement (ECI) can save money, save time and ensure the best outcome. Get in touch with one of our experts at design stage and ensure the success of your project. Whether it is a highly bespoke & complex brief that requires testing & prototyping or a simple design needing clarification around detailing, to achieve a high-end premium finish, attention-to-detail is essential.

Varsity Series[®] Single Stage Louvres



① WOULD YOU LIKE TO KNOW MORE?

If you have any questions about this product, or if you would like to speak to a member of our expert team about how we can tailor a solution for you, call: **1300 165 678** or visit: **louvreciad.com**