

BPIR Declaration

Designated building product: Class 2

Ventüer has provided this declaration to satisfy the provisions of Schedule 1(d) of the Building (Building Product Information Requirements) Regulations 2022.

Product System

Name Ventüer VL-2SD Ventilation Louvre
Line VL
Identifier 2SD

Description

Best in its class, the Ventüer VL-2SD is a high performing two-stage weather louvre that provides optimum rain defence. The extruded aluminium louvre blades are supported on a two-piece pressure equalised mullion system, and bordered by a 150mm frame that ejects captured water to the front of the panel. Like the VL-3SD triple bank system, it can be combined with the VL-50CM louvre system to provide cost savings in inactive [blanked off] areas, and can also be fitted with bird mesh, insect mesh or dust filters. Available in a wide range of standard powdercoat colours, the VL-2SD is manufactured to order and can be fabricated in a wide range of sizes. Independently tested and certified to BS/EN:13030.

Scope of Use

Designed for use as an air intake or exhaust louvre in situations where exposure to high levels of wind and rain are expected, and where water carry over is required to be minimal. Also suitable for use as a natural ventilation device providing passive air flow to internal spaces. Constructed from extruded aluminium and suitable for salt-spray zones and other corrosive environments when powdercoated appropriately. Compatible with all common structure and cladding types, including precast concrete, metal cladding, fibre cement sheet and unitised curtainwall systems. Ancillaries such as bird mesh, insect mesh, dust filters, mechanical dampers and plenums can be supplied fitted to the rear face.

Relevant Building Code Clauses

Clause B1 Structure: Performance B1.3.3(a), B1.3.3(f), B1.3.3(h)

Clause E2 External moisture: Performance E2.3.2

Clause G4 Ventilation: Performance G4.3.1

Contributions to Compliance

- When sized correctly, the VL-2SD louvre system complies with the requirements for natural ventilation of buildings under the New Zealand Building Code clause G4
- When installed in accordance with Ventüer technical literature, shop drawings and site-specific engineering the VL-2SD louvre system complies with the requirements for structure under the New Zealand Building Code clause B1
- When installed in accordance with Ventüer technical literature and shop drawings the VL-2SD louvre system complies with the requirements around external moisture as outline in New Zealand Building Code clause E2

Design Requirements

- High resistance to wind driven rain, suitable for high wind zones and exposed locations
- Self-draining via rear blade profiles and concealed mullions, suitable for tall louvre panels
- No size limitations. Panels can be modularised and assembled on site to any dimension, with the clip-fixed front blade profile providing a continuous appearance
- Compatible with all common structure and cladding types, including precast concrete, metal cladding, fibre cement sheet and unitised curtainwall systems
- Extruded aluminium construction, available in any standard powdercoat colour or anodising
- Can be fitted with ancillaries such as bird mesh, insect mesh, dust filters, mechanical dampers and plenums
- Independently tested and certified to BS/EN:13030
- Due to its relatively high pressure loss, the VL-2SD should be used with care when mechanical plant is operating near the limit of its design capacity. If a lower pressure loss is required and a moderate level of water ingress is acceptable, consider using the VL-104D louvre system instead.

Installation Requirements

Installation requirements for the VL-2SD louvre system vary dependent on the site wind loads, louvre panel sizes, cladding type and primary structure detailing. Ventüer provides full shop drawings for all installations which show sequencing, fixing type and sizing, flashing requirements and sealant details. Installers should make themselves fully conversant with these shop drawings prior to installation commencing.

Supporting Evidence

The product has and can make available the following additional evidence to support the above statements: Contact Ventüer for further details.

Contact Details

Legal & Trading Name of Manufacturer	Ventuer Limited
Address for Service	76 Clayden Road, Warkworth, Auckland 0985
Website	ventuer.co
Email	sales@ventuer.co
Phone	+64 09 9733616
Manufacturer NZBN	9429047214217