



# 45100s



## VENTILATION | ROOFTOP OR WINDWARD FACADE

### LOUVRE FREE AIR: 55% MINIMUM

#### PRODUCT DESCRIPTION

A single-stage horizontal 45 degree louvre with 100 mm blade pitch, engineered with a sharper leading edge and deeper blade geometry to reduce wind-driven rain carryover compared with a standard 45100. Ideal for more exposed locations where you want better rain performance without moving to a multi-stage system. Not weatherproof; use flashings, sills and drainage as required.

#### WHAT MAKES 45100S DIFFERENT

Sharper nose and deeper profile help shed and break up rain at the blade entry. Reduced see-through at typical viewing angles. Similar airflow to 45100, with lower water carryover in like-for-like conditions.

#### MATERIAL

STANDARD - Australian extruded aluminium 6063-T5  
OPTIONAL - High quality Australian steel, vermin/bird mesh

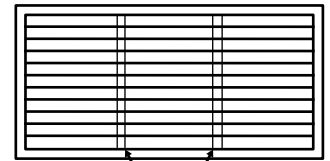
#### FINISH

STANDARD - Mill Finish or Natural anodised  
OPTIONAL - Colour anodised or powder coated

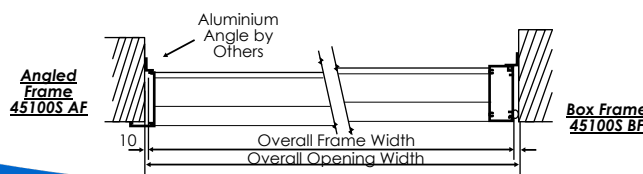
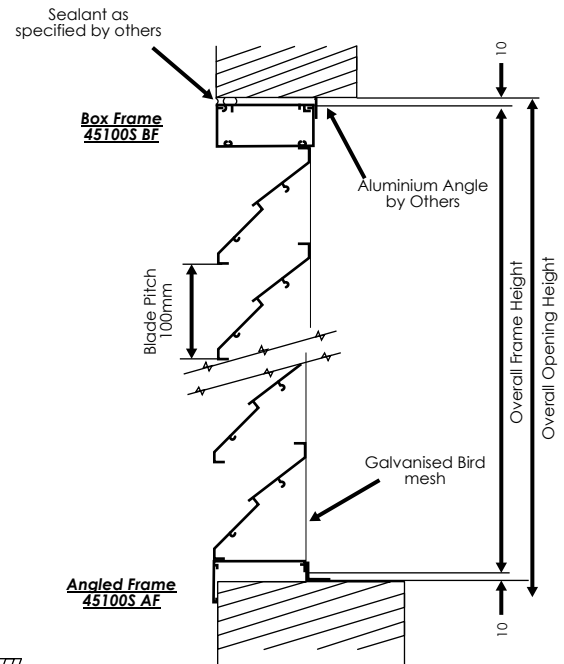
#### INSTALLATION

Supplied as 45100S BF (box frame) or 45100S AF (angle frame) modules for fixing to openings or sub-frames

#### DESIGN & DIMENSIONS



Mullions as Required



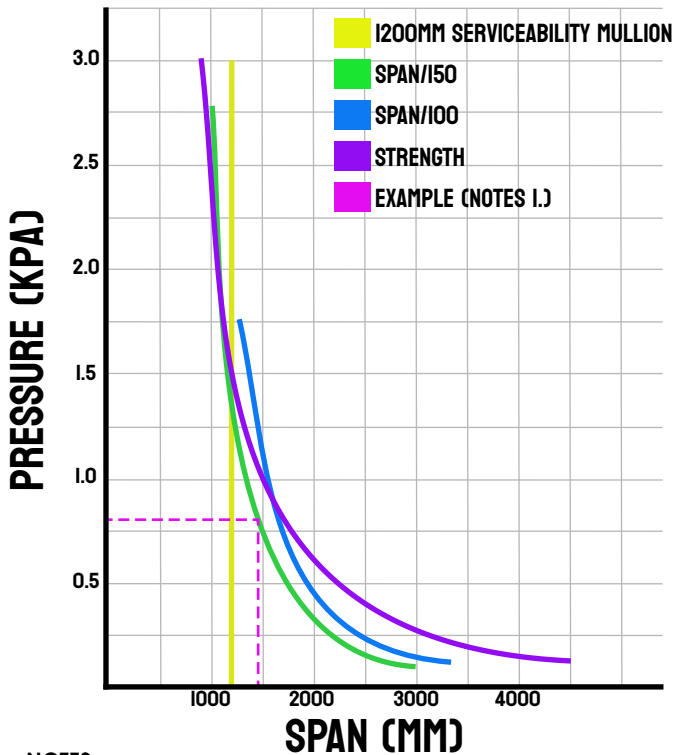


TYPICAL SECTION

45100s

## ENGINEERING GRAPHS

### SAFE LOAD TABLE



**NOTES:**

1. EXAMPLE: If the above louvre is required to resist a working pressure of 0.8KPa the maximum span possible is 1450mm
2. A serviceability mullion is required for lengths greater than 1200mm.
3. Two deflection curves are included to cover areas which are not governed by strength - I.e. Low pressure zones
4. The Span (mm) is the horizontal distance between mullions

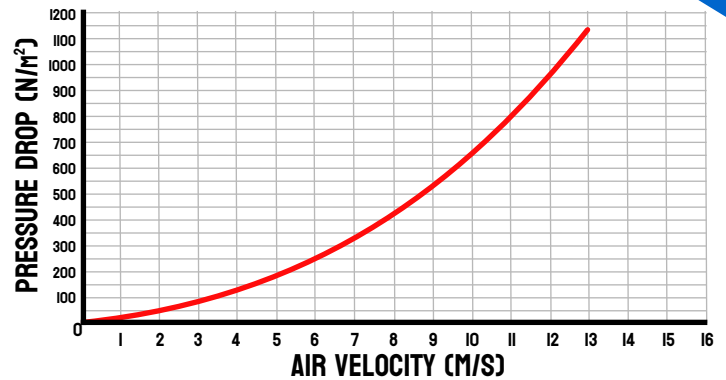
### COMPLIANCE

**Structural design actions:** wind pressures by AS 1170

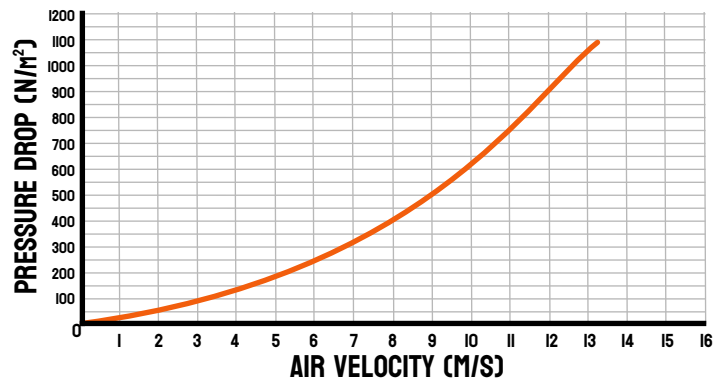
**Aluminium design/stresses:** AS 1664

Fabrication from 6063-T5 extrusions to industry tolerances; project-specific engineering available

### PRESSURE DROP MEASUREMENTS FLOW INSIDE TO OUTSIDE



### FLOW OUTSIDE TO INSIDE



Tests performed by: TECHSEARCH INCORPORATED  
Reports generated by: DARE SUTTON CLARKE ENGINEERS

ADA Louvres are completely Australian owned and made. We work to your specific needs with customisable sizing, finishes, and configurations to fit seamlessly into your home or business. For more information and a free quote please contact us at