



- > Acoustic Louvre
- > 45kg/m<sup>3</sup> density mineral wool
- > 30% free area (min)

## DESCRIPTION

The PB600 Modular Louvres are a Fabricated Steel Acoustic Louvre System comprising pre-galvanised steel components throughout. Blades to be fitted using mechanical fixings. Louvre system to be factory assembled components and supplied in sections to be incorporated into the works.

## CONSTRUCTION

- Material:** Pre-galvanised steel sheet
- Frame:** Pressed pre-galvanised steel frame
- Acoustic infill:** 45kg/m<sup>3</sup> density mineral wool retained behind a glass fibre tissue facing and expanded or perforated metal skin having minimum 30% free area
- Pitch:** Job specific
- Finish:** Mill Finish as Standard

## SIZES AVAILABLE

Supplied in individual component sizes in a Modular Format of up to 1200mm wide x 1000mm high.

A minimum louvre height of 550mm. Louvre heights not matching the 250mm module increments are constructed with adjustable dummy blade sections.

Multi section modules may require mullions or transoms to ensure that structural stability.

## PERFORMANCE DATA

### Insertion Loss (dB) at Octave Band Centre Frequencies (Hz)

PB600	Hz							
	63	125	250	500	1000	2000	4000	8000
	7	10	15	22	31	33	30	29
<b>Acoustic rating Rw26dB / Dnew31 dB</b>								
For noise reduction, add 6dB to the above values								

## OPTIONS

- Stainless Steel Fabrication
- Aluminium Fabrication
- Single Leaf Door
- Double Leaf Doors
- Birdmesh Guards to the rear face
- Insect mesh Guards on rear face
- Colour Coated - Pre-finished steel fabrication
- Dampers - Fire/Smoke or Volume Control
- Security Bars
- Steelwork Supports
- Mitred Corners
- Bespoke Flashings
- Flanged or Un-flanged Frames
- Polyester Powder Coat to a Standard/ Metallic RAL Colour



AERODYNAMIC PERFORMANCE DATA

Static Pressure Drop (N/m <sup>2</sup> )	13	19	46	73	146	197	230
Face Velocity	-5	1	1.5	2.0	2.5	3.0	3.5
Nominal Free Area	46%						
Cd	0.163						

**NOTE:**

Pressure Drop =  $m/Cd$   
 $m$  = mass flow  
 $Cd$  = Discharge Coefficient