



# AES

Acoustic Engineering Services (UK) Ltd

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## DATA SHEET - ACOUSTIC LOUVRES AEL05 – 150mm deep

### Applications

**AES Acoustic Louvres** provide an effective weather barrier with high acoustic performance and the appearance of a conventional weather louvre. Typical applications would be for air conditioning plant rooms, compressor and generator housings and acoustic screening where it is necessary to allow passage of air while controlling noise emission.



### Construction Specification

**Louvre Blades:** Manufactured in two sections. The top section in plain pre-galvanised steel sheet, the bottom section in pre-galvanised perforated steel sheet. Minimum thickness 0.7mm.

**Side Frames:** Manufactured in 1.6mm thick pre-galvanised steel sheet.

**Acoustic Infill:** Inorganic, non-hygroscopic, flame, moisture and vermin proof mineral fibre packed under compression to suit louvre profile.

**Finishes:** Standard pre-galvanised steel, stove enamel, Polyester powder paint, British Steel Plastisol, aluminium, zinc, copper.

**Birdscreen:** Fitted as an optional extra.



### Acoustic & Aerodynamic Performance

Sound Reduction	Frequency / Hz							
	63	125	250	500	1k	2k	4k	8k
SRI / dB	2	3	4	7	10	13	11	10
Face Velocity / m/s	0.5		1.0		1.5		2.0	
Resistance / Pa	5		20		50		100	