

Louvres

Acoustic

Recommended for:

Exterior walls

Intake & return

Overview

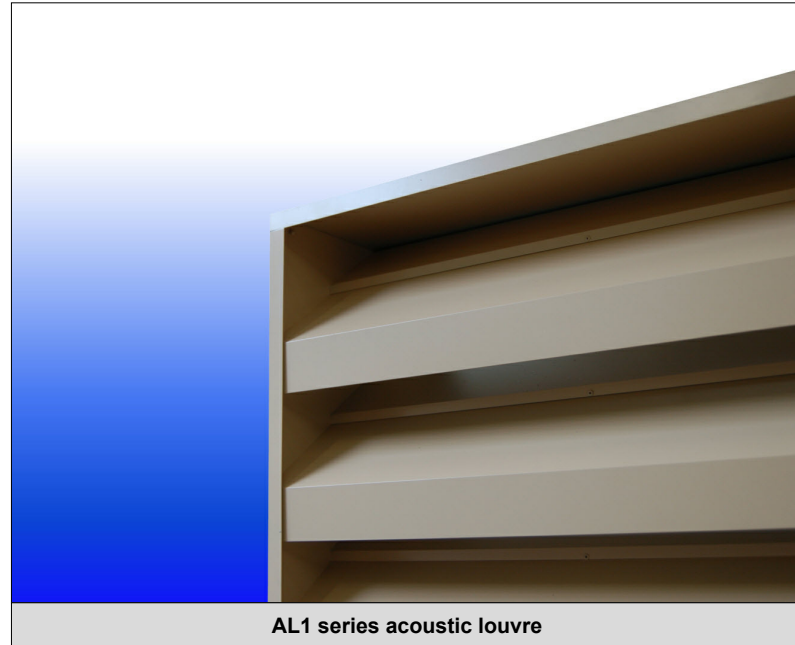
Effective noise attenuation

Single, double and non-acoustic versions available

Places with loud noises, underground car parks, plant rooms etc, still need to be ventilated. Yet in built up areas where noise emissions must be reduced, standard louvres are not sufficient in terms of sound attenuation.

This is where acoustic louvres come in. With a large format blade filled with non-flammable insulating mineral wool, and a 50% free area, they maintain high levels of ventilation whilst effectively reducing noise transfer.

AL1 - Single bank acoustic
AL2 - Double bank acoustic
NAL - Non-acoustic



AL1 series acoustic louvre

Free area:	50%
Mass/M sq face area AL1:	44 kg
Mass/M sq face area AL2:	88 kg

Specifications

Materials:	Galvanised steel frame. Extruded aluminium blades. Mineral wool insulation.
Construction:	Two part hollow blade design interlocks to create a large format hollow blade. Blade filled with AL1 and AL2. Computer brake pressed recessed frame.
Frame:	Standard - Recessed. Optional - Additional flanged frame.
Fixings:	Standard - None.
Sizes:	Minimum size single unit 300mm x 300mm. Maximum size single unit 2000mm x 2000mm.
Finish:	Standard - Galvanised steel frame. Mill aluminium blade. Optional - Polyester powder coat to any RAL / BS colour.

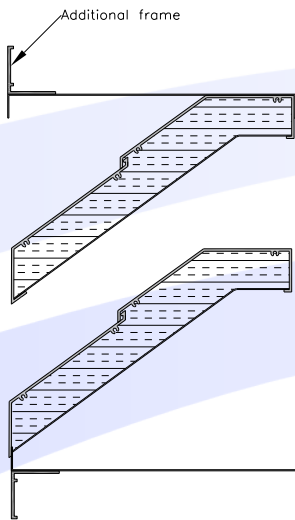
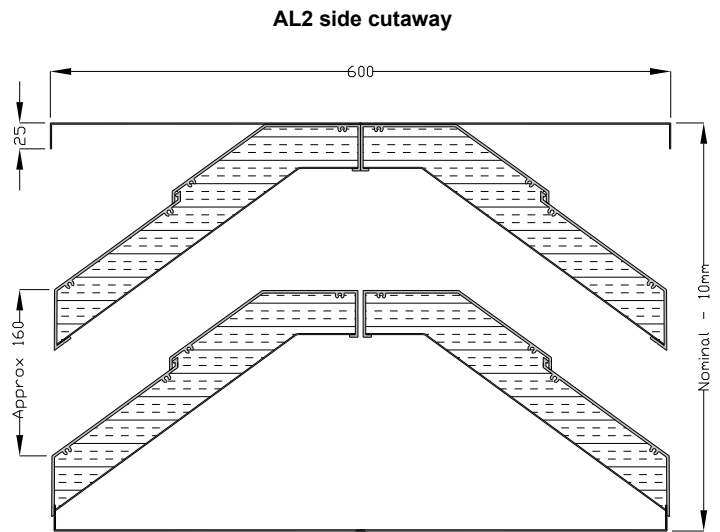
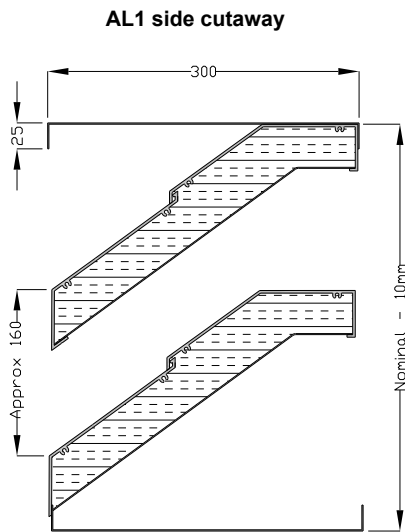
Double banks

For even greater sound attenuation, double banked acoustic louvres are perfect. The two banks are placed back to back creating a chevron 600mm deep. With the maximum amount of insulation to absorb sound, you can be assured of excellent performance.

Non-acoustics

Perhaps you just like the appearance of the largest format louvre we manufacture, but have no need for acoustic attenuation. No problem, Series NAL louvres have no insulation fitted, saving you money.





Additional frames

Both AL1 and AL2 acoustic louvres can be fitted with an additional frame. This is not designed to be structural and is only to hide ragged brickwork or hole edges.

Louvre type	Sound reduction index in dB at frequencies shown							
	63Hz	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	8KHz
Single bank	5	6	8	13	17	20	15	14
Double bank	7	10	13	23	30	32	30	28

