

ACOUSTIC BARRIERS/SCREENS

Acoustic Barriers and Screens can be installed when acoustic screening is required at a site. The acoustic screen is manufactured of a significant mass to ensure noise does not penetrate the barrier, and is faced with an acoustically absorptive medium to reduce reflected noise.

Typical Applications:

- Remove acoustic "line of sight" between noise source and receptor
- For use where a full enclosure is not necessary
- As part of a wider noise control design

Options

Galvanised Steel or Aluminium construction available.
 Polyester Powder coated (PPC) to any standard RAL colour (RAL xxxx).
 Supporting steelwork for standalone applications designed to suit each job.

Acoustic Performance

Octave band C frequency	63	125	250	500	1k	2k	4k	8k
Transmission Loss (dB): 50mm Panel	14	15	21	33	42	52	61	60
Transmission Loss (dB): 100mm Panel	20	21	27	39	48	58	67	66

Absorption Coefficients

Octave band C frequency	63	125	250	500	1k	2k	4k	8k
Absorption coefficient: 50mm Panel								
Absorption coefficient: 100mm Panel		0.89	1.2	1.16	1.09	1.01	1.03	0.93

Specification

Barrier panel manufactured from sheet metal. Internal face manufactured from perforated sheet metal with an inert, acoustically absorptive infill.

Nominal weight of panel: Steel 20kg/m², Aluminium 15kg/m²

Steel supports designed to suit application, but typically mild steel I-beam or box section construction.

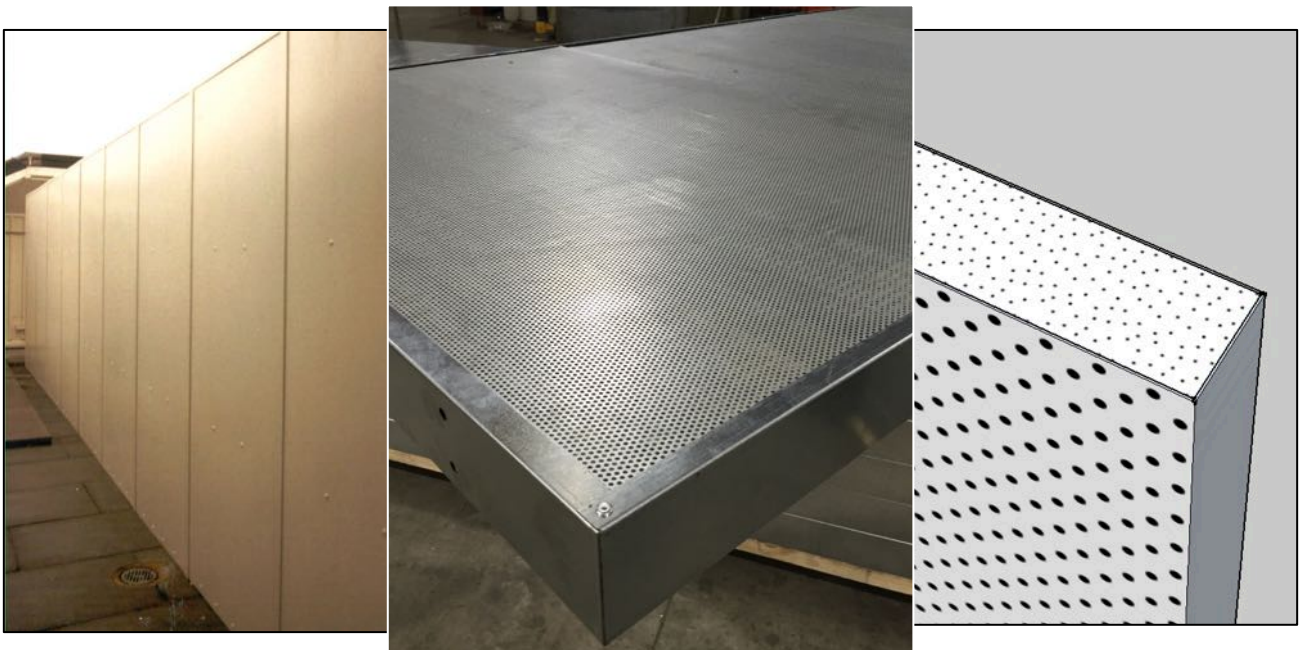
Ordering

All Barriers designed and manufactured to order.

Barriers are manufactured to standard sheet metal tolerances of ±2mm.

Dimensions listed on a Certified Dimension Schedule are as manufactured.

Flanges, cleats, supporting steelwork, flashing, mastic or other such items are not included unless specified.



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