

Acoustic Panelwork & Enclosures

TYPICAL APPLICATIONS FOR PANELWORK SYSTEMS

- Diesel Generator Enclosures.
- Chiller Enclosures.
- Fan Plenums.
- Compressor Enclosures
- Machinery Enclosures.
- Quiet Rooms.
- Offices. Studios.



Sound Transmission Loss (dB)									
Octave Band Centre Frequency (Hz)	63	125	250	500	1k	2k	4k	8k	R _w
PS 50	19	19	25	31	40	42	45	41	36
PS 100	23	28	41	48	54	58	61	54	50
PS 100T5	24	34	41	48	54	59	62	59	51

Construction:

Acoustic panels are normally fabricated using a 1.6mm galvanised steel outer sheet, 0.8mm perforated galvanised steel inner sheet with 45kg/m³ inorganic, non-toxic inert acoustic infill.

For less stringent acoustic requirements the outer sheet varies from 0.8mm to 1.2mm galvanised sheet.

For higher transmission loss, panels may be fabricated with plain sheet i.e. non perforated, forming both the inner and outer skin.

Special applications may require a different construction.

All floor channels, joiners capping strips are made from 1.2mm galvanised steel sheet.

Panelwork systems are normally supplied in modular form for on site installation. When required it is possible to factory assemble the panels to form drop over canopies. These can be particularly useful for diesel generators, compressors and similar equipment. A structural acoustic floor can also be supplied, usually in advance of the canopy, to the equipment supplier.

Canopy sizes are restricted by transport shipping limitations.

Panelwork systems are suitable for internal and external use. To prevent excessive ingress of water in exposed applications, the infill is wrapped with a polyester film.

