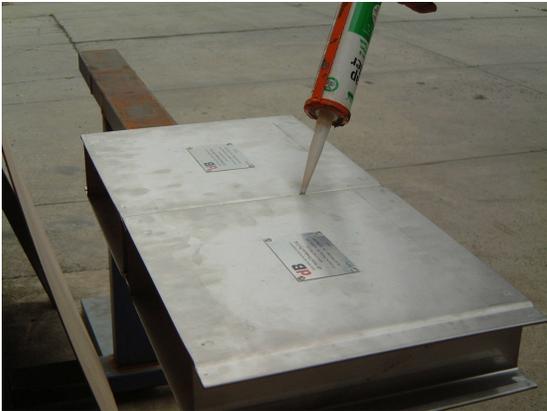


dB Acoustics Pty Ltd

ABN 71 121 370 894

# Modulock Panels



**dB ACOUSTICS** manufacture cost effective modular acoustic panel enclosures to reduce or eliminate the noise produced by generators, equipment and machinery.

**dB ACOUSTICS** panel enclosures are modular and suitable for indoor and outdoor applications. They can be easily assembled to exactly enclose the noise making equipment. Because of the unique panel arrangement these enclosures can be dismantled and relocated easily saving both time and cost.

Acoustic enclosures can be used to reduce noise levels from most plant and machinery, either fixed or mobile. Due to the versatility of the dB panel system, enclosures can be designed for small pump motor units or complete turbo generator sets. Complex process machinery can be contoured to conserve space and allow access to key stations. The panels are also particularly suited to mobile equipment, due to the relatively low surface mass.

The dB panel is a sandwich construction of an outer galvanised steel skin, inert acoustic fill and perforated galvanised steel inner skin to retain and protect the infill. The panels are formed with a unique patented interlocking connection edge, which requires no additional fasteners. This interlock is one of the keys to the success of the dB panel system, as it provides an acoustic seal, compatible with the transmission loss of the panel which is usually a major weakness of modular enclosures. A 1.6mm thick base channel is used to secure the enclosure to the foundation. This channel is independent of the panels and can be laid onto any surface, irrespective of the level. Any gaps caused by irregularities are sealed with high density bitumastic foam or silicon. The same profile is used for the roof capping and, for heights over three meters, as an intermediate joiner.

dB panels are normally produced in high quality galvanised steel. Alternative materials include zincalume, zincanneal, mild steel, aluminium and stainless steel.

Both internal and external finishes can be spray painted to any specification but for a durable and high quality finish, powder coating is recommended.

For conditions where the inside of the enclosure is subject to hazardous vapours or moisture an impervious membrane can be applied over the infill.

Uniquely **dB ACOUSTICS** is able to provide the full engineering service including design, drafting, manufacture and installation Australia wide.

For further advise on these products please contact dB Acoustics Pty Ltd.

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