

PRODUCT DATA SHEET

ISO ENCLOSURE PANEL SYSTEM

PRODUCT DESCRIPTION

The CMS Danskin Acoustics Enclosure Panel System consists of prefabricated building panels, jointing accessories and fittings designed primarily for the construction of noise-protected structures in industrial environments.

They are used typically for industrial offices, acoustic enclosures for machinery, acoustic screens and sound havens. The panel elements consist of a core of transverse mineral wool bonded to surface layers of solid or perforated 0.7 mm hot-dip galvanised steel sheet (stainless steel or aluminium are available to special order). These panels are incombustible, rigid and self-supporting* and can be fitted with doors and windows as required. Panels can be finished in polyester powder paint or PVC foil in a range of colours.

All components may be supplied in standard sizes or as a customised kit of parts to your specification. A full range of corner, T-piece and jointing profiles are available to enable any floor plan to be accommodated. Panels may be mounted both vertically and horizontally.

Construction is simple, requiring only a jigsaw to cut panels. Fastening of adjacent panels is achieved by a simple but secure system which runs the full length of each panel; this clip system allows panels to be easily dismantled for maintenance access and for changing layouts.

The use of jointing compounds on mating services produces an airtight seal, giving optimum acoustic performance and making this method of construction suitable for clean-rooms and fan rooms.

**A supporting structure is needed for large spans and for external applications where high wind loads are present.*



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ACOUSTICS

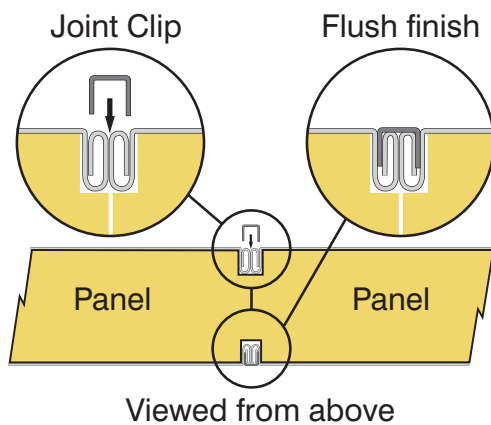
APPLICATIONS

- Industrial offices
- Internal partitions
- Sound havens
- Machinery enclosures
- Acoustic shields/screens
- Fan rooms and ducts
- Lift shafts
- External walls
- Exterior noise barriers

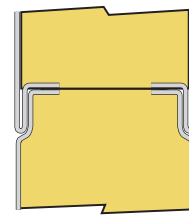
BENEFITS

- High sound-reduction
- Extremely robust, self-supporting construction
- Light weight and easy to handle
- Panels can be easily demounted and relocated
- Flush finish services, no protruding components
- Custom delivery schedules
- Complete solution with all assembly profiles and fittings
- Short assembly profiles and fittings
- Short assembly time, typically one fifth of traditional structures
- Easy to work, no special tools required
- Can be used inside and out

Vertical Joint Detail



Horizontal Joint Detail

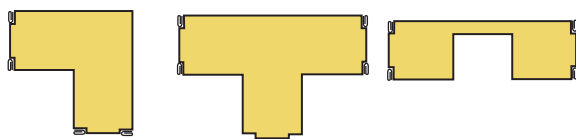


Viewed from side

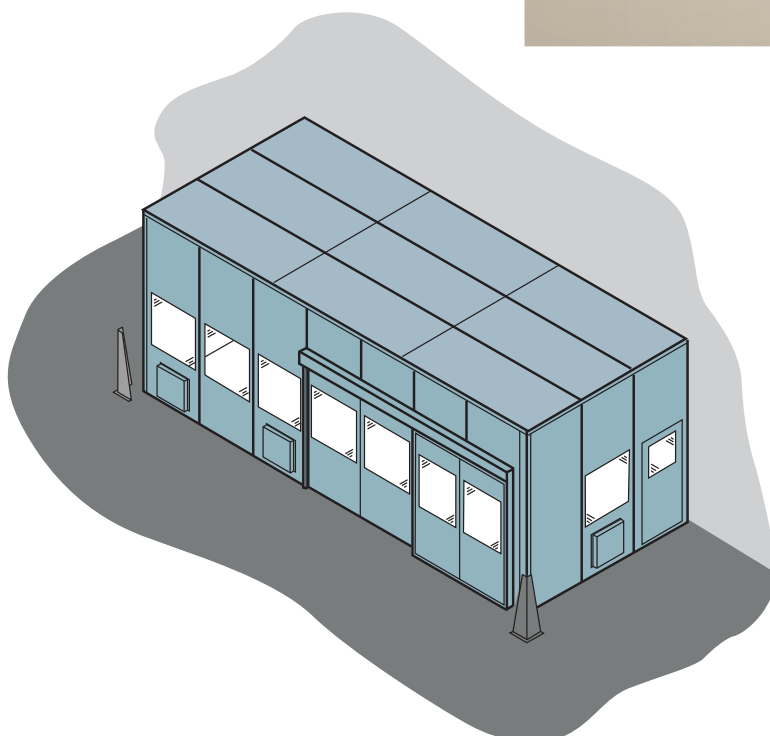
Example Panel Finishes

Solid

Perforated



Viewed from above

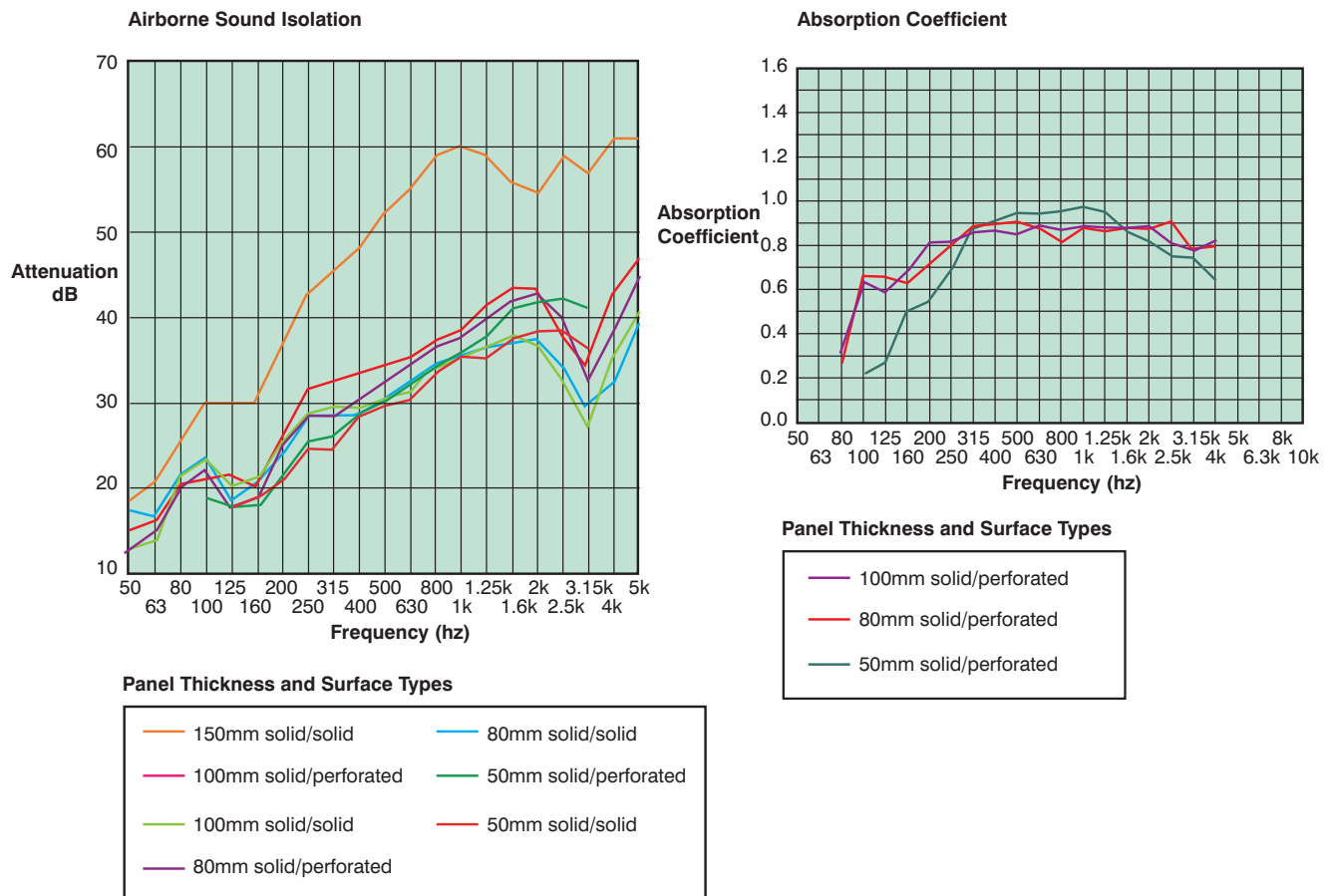


PHYSICAL INFORMATION

Panel Length	Up to 6m
Panel Width	580mm and 1180mm
Panel Thickness	25, 50, 100 and 150mm
Acoustic Performance	Up to 53dB subject to thickness and construction
Fire resistance	½, 1 and 2hr fire rating depending on thickness

ACOUSTIC PERFORMANCE

The following gives acoustic performance figures for a representative selection of isolation panels. Full details for all products are available on request.



INSTALLATION SERVICE

In addition to supply of this product CMS Danskin Acoustics offers a competitively-priced installation service anywhere in the UK. Use of our service ensures that installation is performed to the highest standards by tradesmen fully experienced in the specialist skills of fitting acoustic materials correctly. For further details contact our technical team on 01925 577711.

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