

Decosorb™

Acoustic Panel Series



Product overview

Decosorb™ acoustic panel series is a high-performance acoustic panel for commercial interior sound control, specifically designed to reduce and control reverberated (echo) noise in building interiors, improving acoustic clarity with clean aesthetic.

The panels can be applied to ceiling, either direct fix or as a high-performing suspended feature panel, and is able to span standard grid without sag, it can also be applied as a wall covering with exceptional sound absorption.

The panels are light-weight and non-irritant. It can easily be cut on site, or pre-cut with our inhouse cutting service. We also offer a range of concealed fastener systems pre-applied to panel to reduce time to install and improve precision.

Standard panel sizes of 2440 x 1220mm and 1225 x 2800mm. They are available in a range of colours.

Benefits

Precise installation

Decosorb™ acoustic panels come with everything needed for installation, including full-size and light-weight template for quick alignment of panel and fixing locations

Better spaces

Improved acoustics: Audibly reduces reverberation time

Visual impact: A variety of available material colours offering ~78% light reflectance. Panels can be subtle or a feature design. Ask us about customisation

Future proofing

Easy to remove with Ready-Clip™ direct clip. Durable panel construction with high impact resistance provides long-term stability and performance

CUSTOMISATIONS



Rebated edge



V- Groove



Custom prints



Ready Clip™ system



CNC cut

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Sheet size:
 9mm, 24mm: 2440 x 1220mm
 12mm: 1225 x 2800mm
max. 1200 x 2500 for groove and ready-clip

Standard flat edge
 Custom edge joins available
See dbCustom Lookbook

Density:
 3200 gsm

NRC 0.3 - NRC 0.9*
 *With no air gap

Composition:
 100% PET (up to 60% recycled content)

Fire rating 24mm:
 ASTM E-84-17: Class A, FS:5 - SD:65
 EN 13501-1:2007+A1:2009: B - s1, d0

No loose fibres

Antibacterial

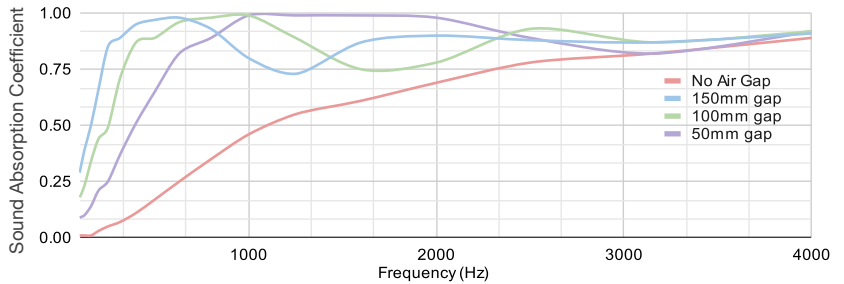
Environmental:
 Global Recycled Standard (GRS) 4.0
 OEKO-TEX® Confidence In Textiles –
 STANDARD 100
 Tested for harmful substances Annex 6**
 Low VOC



DBSORB Ltd Acoustic Systems
 Phone: (+64) 09 553 6775
 Email: sales@dbSORB.co.nz www.dbSORB.co.nz
 Address: 91b Morrin Rd, St. Johns, Auckland 1072
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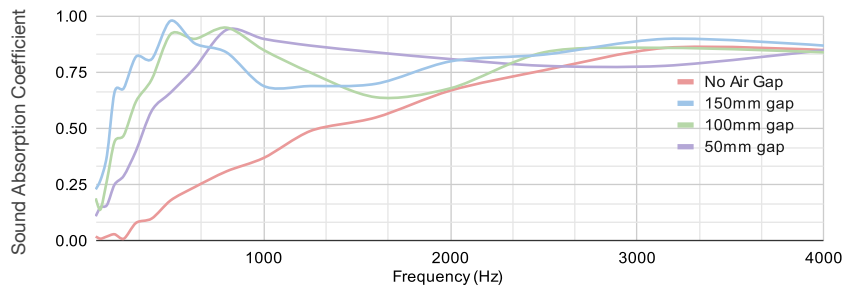
9mm Acoustic Performance

Frequency (Hz)	125	250	500	1000	2000	4000	NRC
No Air Gap	0.01	0.01	0.18	0.37	0.67	0.85	0.3
50mm gap	0.15	0.29	0.66	0.9	0.81	0.85	0.65
100mm gap	0.14	0.47	0.92	0.85	0.68	0.84	0.75
150mm gap	0.27	0.68	0.98	0.69	0.8	0.87	0.8



12mm Acoustic Performance

Frequency (Hz)	125	250	500	1000	2000	4000	NRC
No Air Gap	0	0.05	0.2	0.55	0.85	1	0.4
50mm gap	0.1	0.25	0.65	0.99	0.98	0.92	0.7
100mm gap	0.23	0.49	0.89	0.99	0.78	0.92	0.8
150mm gap	0.39	0.85	0.97	0.8	0.9	0.91	0.9



24mm Acoustic Performance

Frequency (Hz)	125	250	500	1000	2000	4000	NRC
No Air Gap	0.01	0.15	0.55	0.9	1.05	1.05	0.65
50mm gap	1.0	0.29	0.73	0.98	0.94	0.96	0.75
100mm gap	0.24	0.62	0.99	0.98	0.94	0.99	0.85
150mm gap	0.39	0.8	0.99	0.86	0.94	0.98	0.9

