

# 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 1220 and 1225 x 2800. 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 customization.

### 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



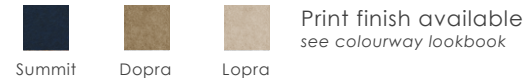
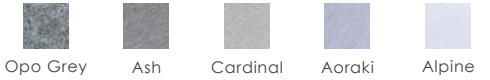
CNC cut

a solution for every space.



db sorb  
acoustic systems

# Decosorb™ Acoustic Panel Series



Sheet Size:  
9mm, 24mm: 2440 x 1220  
12mm: 1225 x 2800  
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 0.65\*  
\*With no air gap



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



Fire rating  
12mm: EN 13501-1:2018: B - s1, d0  
24mm: EN 13501-1:2018: B - s2, d0



No loose fibres



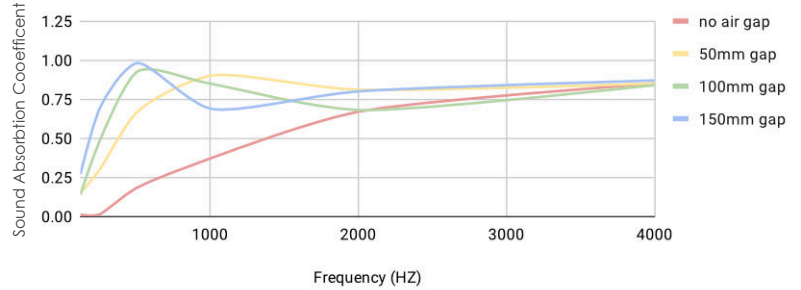
Antibacterial



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

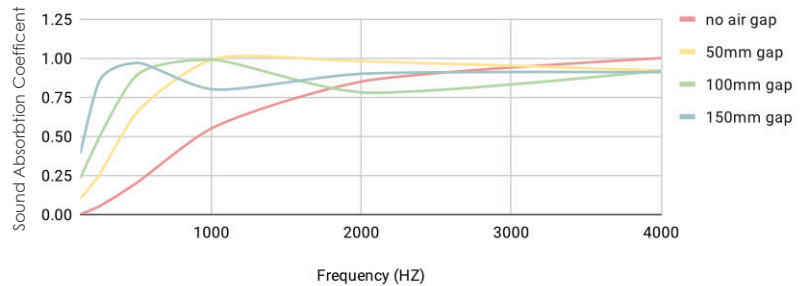
## 9mm Acoustic Performance

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



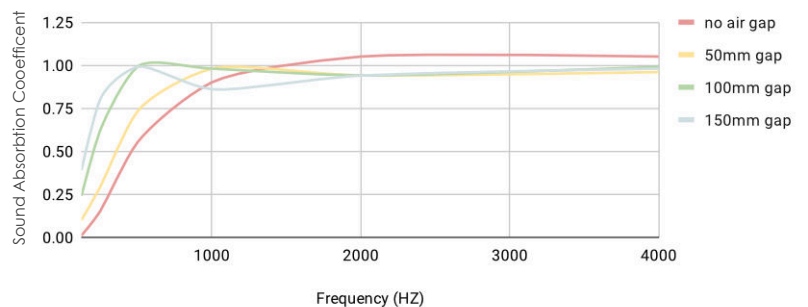
## 12mm Acoustic Performance

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



**DBSORB Ltd**  
Acoustic Systems  
www.dbsorb.co.nz  
Phone: (+64) 09 553 6775  
Email: sales@dbsorb.co.nz  
Address: 63S Hugo Johnston Drive, Penrose  
Auckland 1061  
Copyright © 2022 DBSORB Ltd  
All Rights Reserved

a solution for every space.

