

# dbGroove™ Acoustic Panel Series



X-frame Grooves. (Photographed by David Hensel. X-frame Booster XL, 2024)

## Product Overview

dbGroove™ is a versatile customization tool that uses intricate angular cuts to pattern our range of decorative acoustic panels. These precision cuts not only add depth and texture, but also skilfully manipulate and refract light, transforming interior spaces with a nuanced touch.

Speedy install with our ReadyClip™ glue-free install system.

Endless customisation options.

Add print for a contrasting groove reveal.

Available in both our 12mm and 24mm Decosorb™ panels.

Bevelled edge for discreet panel joins.

Made locally.

Solid colour with smooth finish

dbGroove™ panels are light-weight and non-irritant, made from 100% Polyester Fibre. They can easily be cut on site or factory cut to size. Standard panel size 1200 x 2400mm, or can be custom sized to suit.

## Applications

### Residential Spaces:

Home Office  
Lounge / Living Rooms  
Kids Rooms  
Play Rooms

### Commercial Spaces:

Meeting Rooms  
Learning / Training Spaces  
Video Conferencing Rooms  
Board Rooms  
Office Pods  
Reception Areas

## Customisation

 Rebated edge

 Chamfered edge

 CNC cut

 V- Groove

 Custom prints

 Ready-Clip™ (Patent Pending)  
Glue Free mounting system

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))) NRC 0.4 - 0.65\*  
\*With no air gap

Ready-Clip™ (Patent Pending)  
Glue Free mounting system

Standard Thicknesses:  
12mm, 24mm

Standard Flat Edge

Standard Sheet Size 1200 x 2400  
Max. 1200 x 2500

No loose fibres

**ρ** Density:  
24mm: 3600 gsm  
12mm: 2400 gsm

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

Manufactured in NZ  
Non-Toxic, Non irritant  
Glue Free, Low VOC

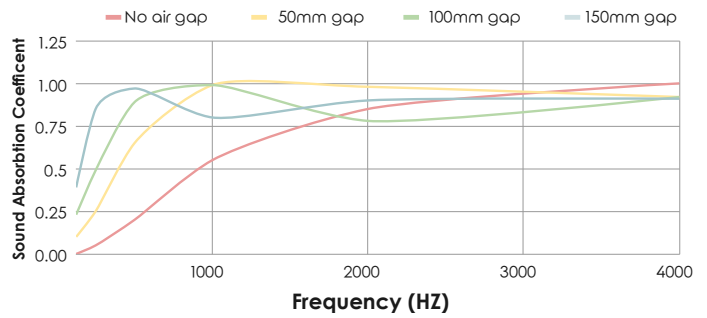
Antibacterial

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

12mm

## Acoustic Performance

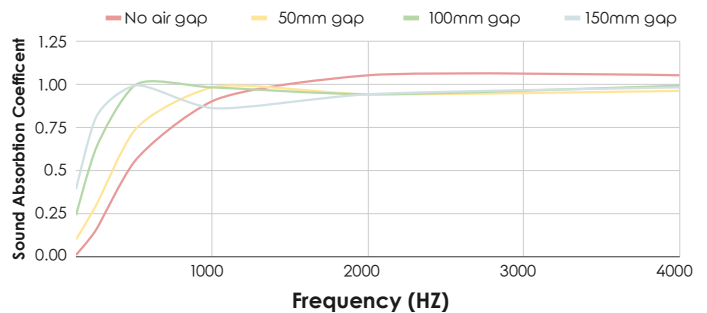
Frequency (Hz)	125	250	500	1000	2000	4000	NRC
No Air Gap	0	0.05	0.2	0.55	0.85	1	0.4
50mm gap	0.1	0.25	0.65	0.99	0.98	0.92	0.7
100mm gap	0.23	0.49	0.89	0.99	0.78	0.92	0.8
150mm gap	0.39	0.85	0.97	0.8	0.9	0.91	0.9



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

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