



Acoustic Board

Custom & Bespoke designs
available on request
no MOQ



Specs

Composition	100% PET (>75% recycled PET Material)
Thickness	9mm & 12mm Thick
Density	1900gsm (9mm), 2400gsm (12mm)
Colours	13 Standard Colours Stocked (more colours 8-16 weeks lead time)
Dimensions	Max 1200x2400mm
Fire Rating	Class B (BS EN 13501-1:2007)
Soundproofing	Class A-D (ISO 11654:1997)
Application	Ceiling, Wall, Screens
Warranty	5-year Warranty



HOW TO ACHIEVE A BETTER SOUND ABSORPTION RATING

Increasing the air gap between a sound-absorbing material (like an acoustic panel) and the wall improves its ability to absorb lower-frequency sounds. Here's why:

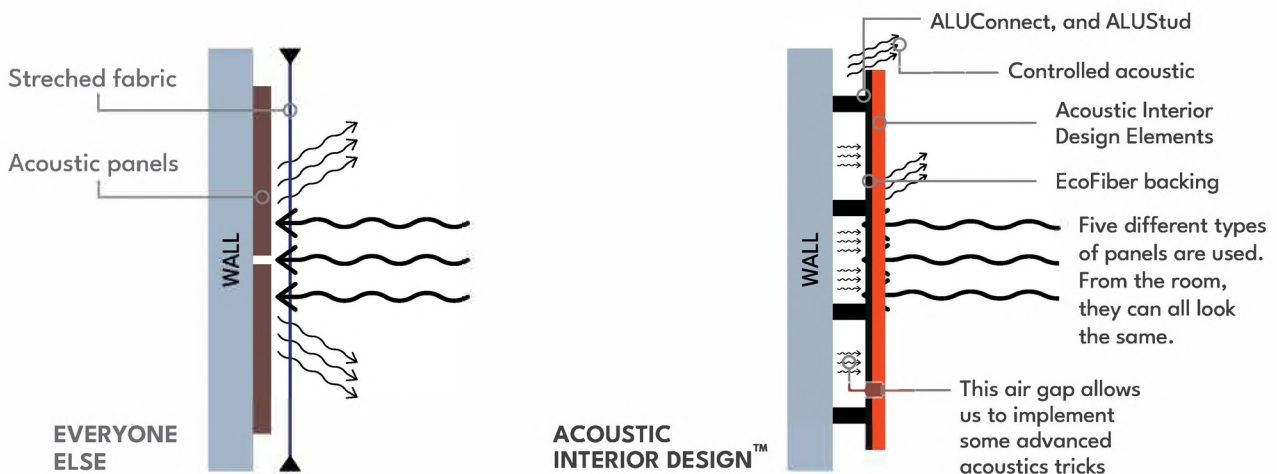
Sound Waves and Reflection: When sound hits the panel, it doesn't just stop at the surface—it penetrates the material and reflects off the wall behind it. If there's an air gap, the sound waves travel through the material and bounce back from the wall, passing through the absorbing material twice. This enhances the panel's ability to absorb sound, especially at lower frequencies.

Cost Efficiency: Adding an air gap can make a thinner panel work as effectively as a thicker

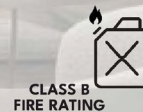
one, saving material costs while maintaining performance. For example, a 1-inch panel with a 1-inch air gap can absorb a similar amount of sound as a 2-inch panel placed directly on the wall.

Optimal Gap Size: Research suggests that the gap should ideally be the same thickness as the panel for maximum efficiency—e.g., a 2-inch panel performs best with a 2-inch air gap behind it.

In summary, air gaps help sound waves interact more effectively with the absorbing material, particularly for lower frequencies, while keeping costs and material use in check.



Air Gap	Performance Improvement	Frequency & Range Affected	Absorption Class
No Air Gap	Standard performance as testes. Limited low-frequency absorption.	500Hz to 2000Hz	Class D
100mm	Noticeable improvement, especially in mid to low frequencies.	250 Hz to 1000Hz	Class C
200mm	Significant boost in low-frequency absorption.	125Hz to 1000Hz+	Class B
300mm	Excellent absorption across low, mid and high frequencies.	63Hz to 1000Hz+	Class B+
400mm+	Exceptional absorption with near full range efficiency, including very low frequencies.	63Hz to 100Hz+	Class A

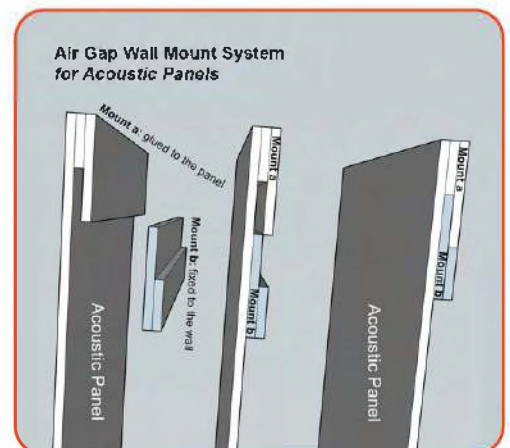


ACOUSTIC WALL PANELS

9 & 12MM ACOUSTIC ENGRAVED WALL PANELS

Transform your environment with our premium **Acoustic Engraved Wall Panels**. These sound-absorbing panels, made from premium recycled PET felt, are an ideal solution for noise reduction and improving sound quality in any room. With a wide range of shapes, patterns, and colors, our decorative wall tiles are not only highly effective at mitigating noise reverberation but also serve as a stylish design feature to enhance the aesthetic of your workspace.

- **Sustainable Material:** Crafted from 75% recycled PET felt, making it an eco-friendly choice for environmentally conscious projects.
- **Durable Thickness:** At 9 and mm 12mm thickness, the material offers both strength and sound absorption, providing excellent functionality and longevity.
- **Fire Safety Certified:** Rated Class B for fire safety, it meets stringent fire protection standards, ensuring safety in various settings.
- **Wide Range of Colors:** Available in 13 vibrant standard colors, with custom options on request.
- **Custom & Bespoke Designs:** Tailor your project with unique, made-to-order designs available upon request, offering unmatched versatility and creativity.
- **Features:** Unique engraved patterns to create 3D effects.

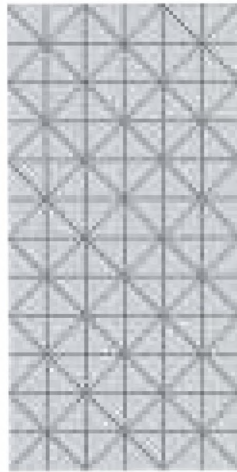




HORIZONTALBOARD (HOR)



DIAGONALBOARD (DIA)



LATTICEBOARD (LAT)



LINEBOARD (LIN)



CHEVRONBOARD (CHE)

PRODUCT NAME	SKU	DESCRIPTION	WIDTH (cm)	HEIGHT (cm)	DEPTH (cm)	PACK (qty)	PRICE
HORIZONTALBOARD 9MM	EMHOR9S	9mm Thick Engraved Wall Panel 240x60cm	60	240	0.9	1	£120.00
	EMHOR9L	9mm Thick Engraved Wall Panel 240x120cm	120	240	0.9	1	£240.00
HORIZONTALBOARD 12MM	EMHOR12S	12mm Thick Engraved Wall Panel 240x60cm	60	240	1.2	1	£145.00
	EMHOR12L	12mm Thick Engraved Wall Panel 240x120cm	120	240	1.2	1	£290.00
DIAGONALBOARD 9MM	EMDIA9S	9mm Thick Engraved Wall Panel 240x60cm	60	240	0.9	1	£120.00
	EMDIA9L	9mm Thick Engraved Wall Panel 240x120cm	120	240	0.9	1	£240.00
DIAGONALBOARD 12MM	EMDIA12S	12mm Thick Engraved Wall Panel 240x60cm	60	240	1.2	1	£145.00
	EMDIA12L	12mm Thick Engraved Wall Panel 240x120cm	120	240	1.2	1	£290.00
LATTICEBOARD 9MM	EMLAT9S	9mm Thick Engraved Wall Panel 240x60cm	60	240	0.9	1	£120.00
	EMLAT9L	9mm Thick Engraved Wall Panel 240x120cm	120	240	0.9	1	£240.00
LATTICEBOARD 12MM	EMLAT12S	12mm Thick Engraved Wall Panel 240x60cm	60	240	1.2	1	£145.00
	EMLAT12L	12mm Thick Engraved Wall Panel 240x120cm	120	240	1.2	1	£290.00
LINEBOARD 9MM	ERMLIN9S	9mm Thick Engraved Wall Panel 240x60cm	60	240	0.9	1	£120.00
	ERMLIN9L	9mm Thick Engraved Wall Panel 240x120cm	120	240	0.9	1	£240.00
LINEBOARD 12MM	ERMLIN12S	12mm Thick Engraved Wall Panel 240x60cm	60	240	1.2	1	£145.00
	ERMLIN12L	12mm Thick Engraved Wall Panel 240x120cm	120	240	1.2	1	£290.00
CHEVRONBOARD 9MM	EMCHE9S	9mm Thick Engraved Wall Panel 240x60cm	60	240	0.9	1	£120.00
	EMCHE9L	9mm Thick Engraved Wall Panel 240x120cm	120	240	0.9	1	£240.00
CHEVRONBOARD 12MM	EMCHE12S	12mm Thick Engraved Wall Panel 240x60cm	60	240	1.2	1	£145.00
	EMCHE12L	12mm Thick Engraved Wall Panel 240x120cm	120	240	1.2	1	£290.00
WALL MOUNT	EMG9WMS	9mm Air Gap Acoustic Panel Wall Mount Kit, Width 500mm					£31.200
	EMG9WMM	9mm Air Gap Acoustic Panel Wall Mount Kit, Width 1000mm					£39.00

13 COLOURS STOCKED

More colours 8-16 weeks lead time



*Please specify colour code when ordering