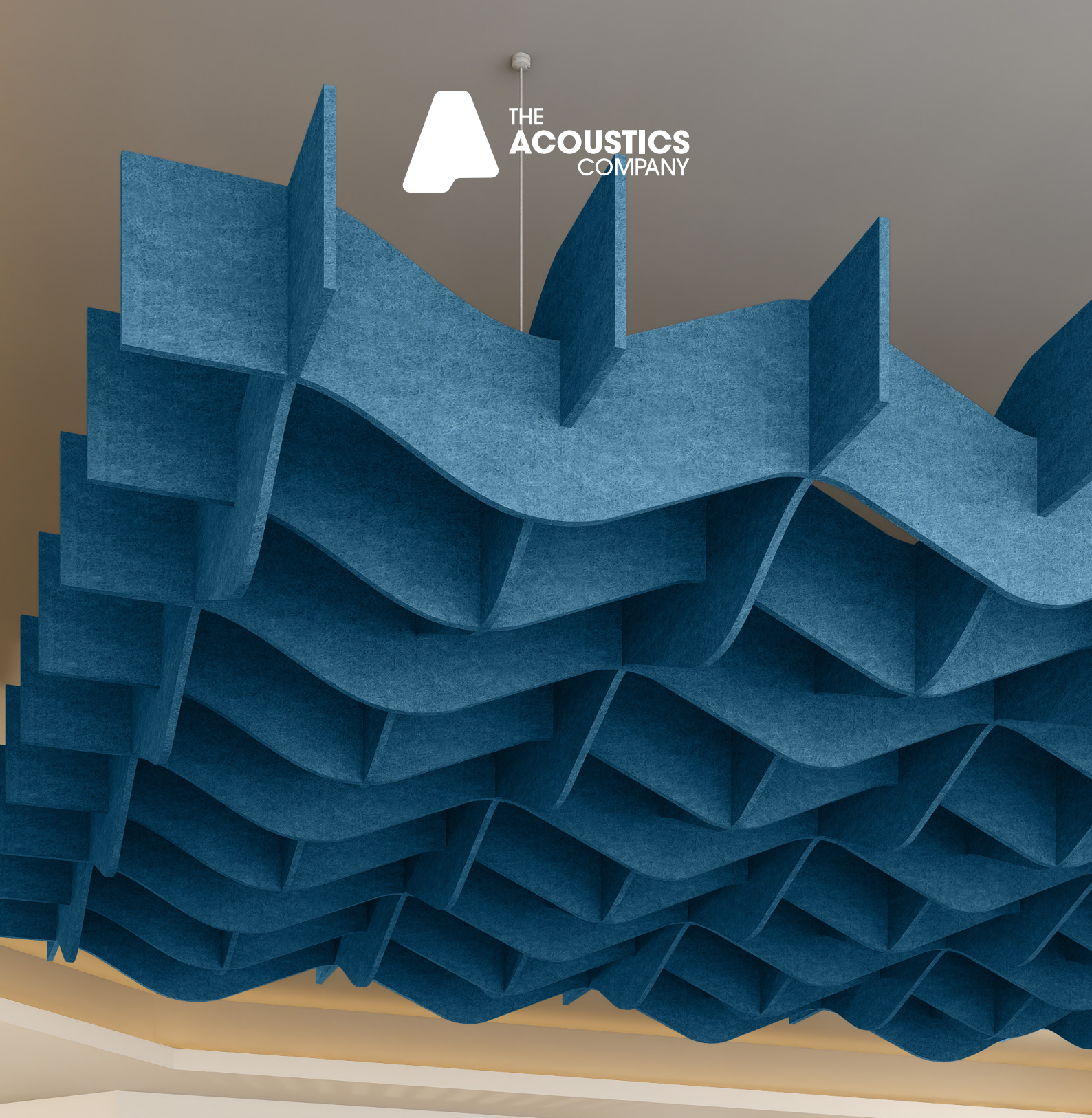
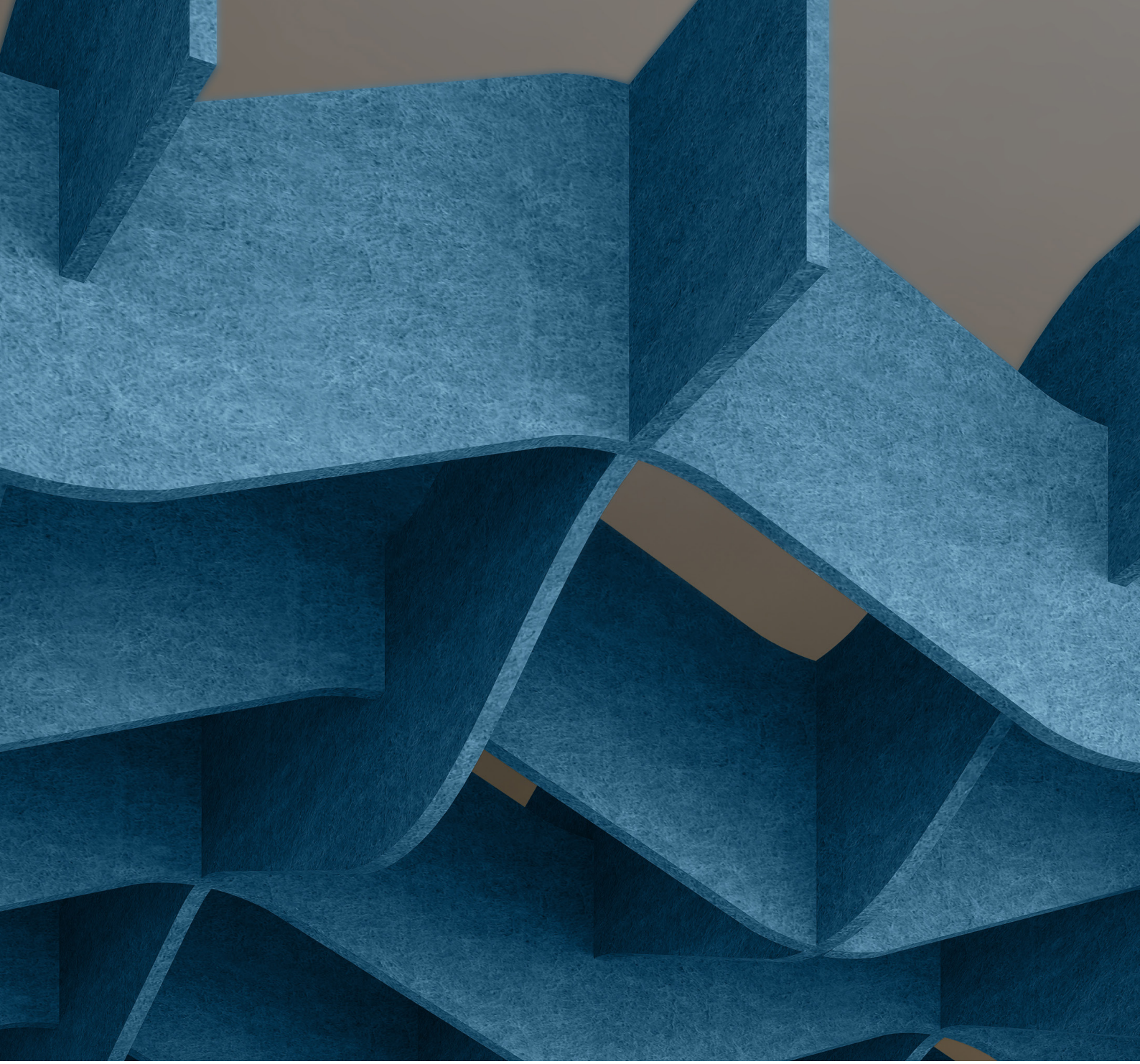
THE ACOUSTICS COMPANY



LATTICE

Grid Baffles

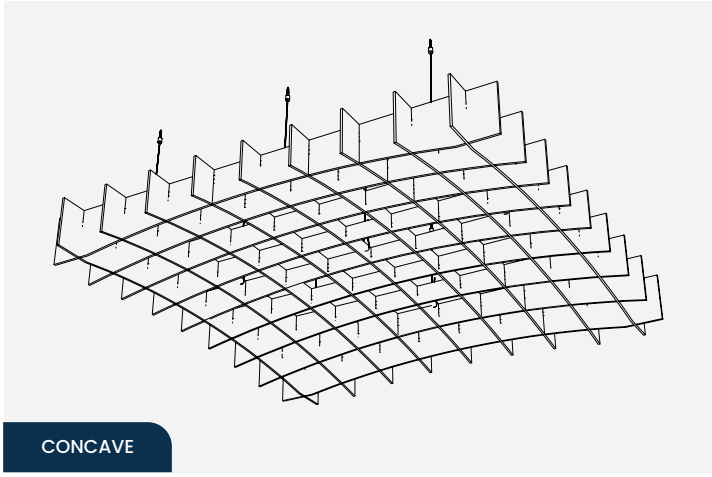


PRODUCT INFO

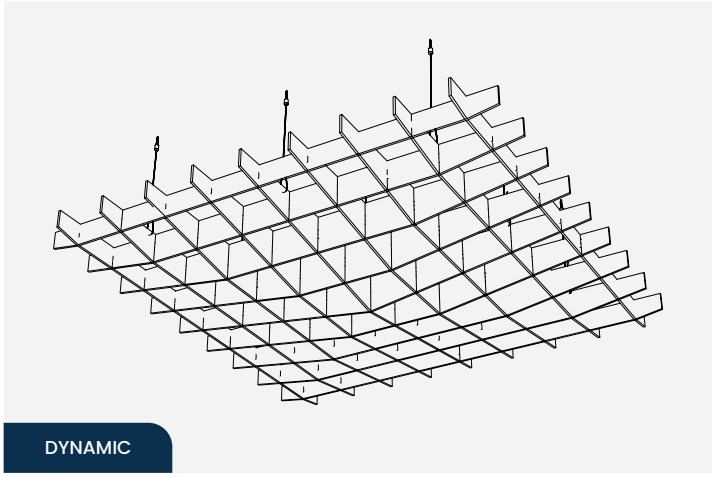
The Lattice is an ultramodern, high performing acoustic product that offers outstanding absorption and visual impact. Lattice is designed to cover a large part of an area and act as an immediate alternative of modular baffles. It is available in different forms boasting the key intersecting vertical and horizontal features of any Lattice products.

The lattice range has been designed to offer optimal acoustic performance while adding intrigue and style to any interior space.

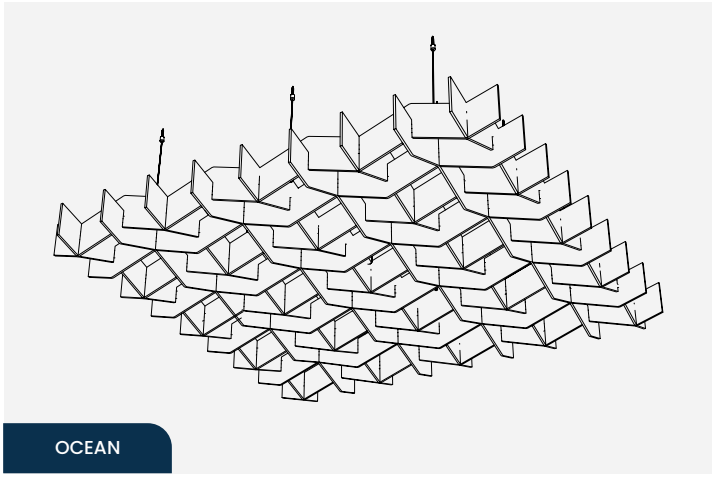
LATTICE DESIGNS



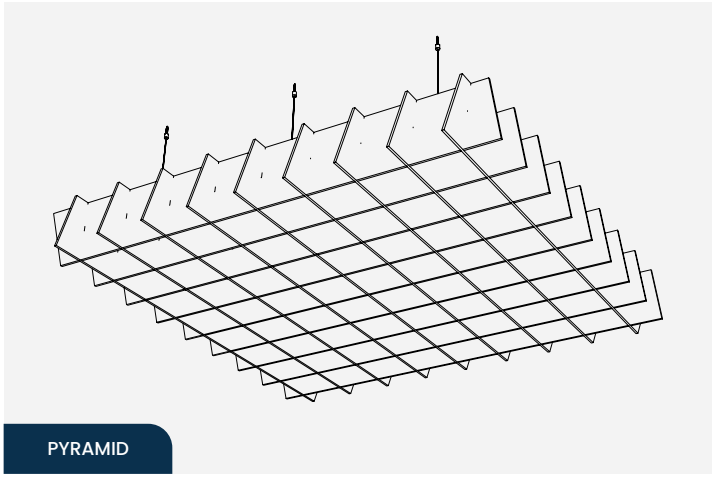
CONCAVE



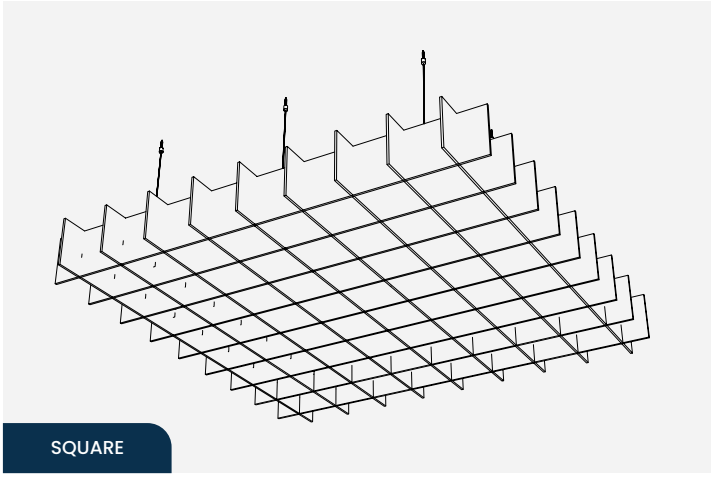
DYNAMIC



OCEAN



PYRAMID



SQUARE

PRODUCT	ARTICLE	DIMENSION	THICKNESS
Concave	03CTLAT-CON000	2750mm x 2750mm x 300mm	12mm/24mm
Dynamic	03CTLAT-DYN000	2750mm x 2750mm x 300mm	12mm
Ocean	03CTLAT-OCE000	2750mm x 2750mm x 300mm	12mm/24mm
Pyramid	03CTLAT-PYR000	2750mm x 2750mm x 300mm	12mm/24mm
Square	03CTLAT-SQU000	2750mm x 2750mm x 300mm	12mm/24mm

MATERIAL INFORMATION

COMPOSITION:	75% Recycled PET Fibre | 25% Virgin Fibre
FIRE RATING:	12mm DIN EN 13501-1 B-s1, d0 24mm DIN EN 13501-1 B-s1, d0
DENSITY:	2.4kg/m² (12mm) / 3.8kg/m² (24mm)
ACOUSTICS:	Class B Absorber

*Our Alpha panels have a cutting tolerance of +- 3mm

FINISHES

Lattice is made with high quality recycled PET panels. The selection has different colours that would compliment any interior space and concept.Please refer to the QR codes below:

Finishes
Scan the code or visit
www.acousticscompany.com/finishes

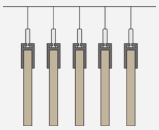
Catalogue
Scan the code or visit
https://acousticscompany.com/wp-content/uploads/2025/03/PRODUCT-BROCHURE-2025.pdf

INSTALLATION

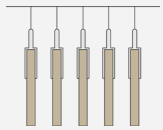
The Acoustics Company cater for all project budgets and have multiple fixing methods.

Lattice baffle system can be installed using the following method:

TECH RAIL



SKY ANCHOR



DESIGN TIPS

These are just some design tips you can do in order to maximise the full potential of our Lattice products:

1. Adjust the height of Lattice based on the ceiling height to achieve optimal acoustic performance and aesthetic impact.
2. Coordinate the design of Lattice with other ceiling elements, such as air diffusers, sprinklers, and vents, to ensure seamless integration and functionality.
3. Create mockups or samples of Lattice to evaluate visual and acoustic characteristics before full-scale installation, ensuring design intent and performance expectations are met.
4. Lattice products are best suited for large office areas that needs colloration and productivity.

ACOUSTIC PERFORMANCE

The acoustic performance of materials refers to their ability to absorb, reflect, or transmit sound waves. This concept is crucial in architecture, interior design, and engineering, as it determines how sound behaves in a space. Materials with good acoustic performance can reduce noise levels, improve speech intelligibility, and create more comfortable and functional environments by controlling reverberation and sound transmission.

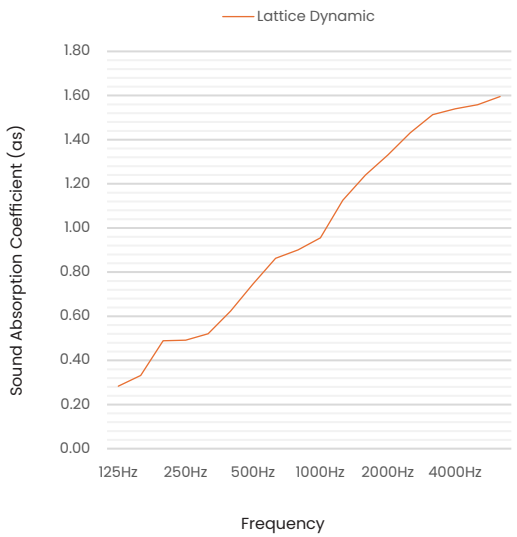
TESTING STANDARDS

ISO 354	Measurement of sound absorption in a reverberation room
ISO 11654	Sound absorbers for use in buildings — Rating of sound absorption
ASTM C423-17	Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method
ACOUSTICS:	Sound absorbers for use in buildings — Rating of sound absorption

ACOUSTICALLY TESTED LATTICE	aw	NRC	CLASS
Dynamic	0.85(H)	1.00	B

For aw, it is strongly recommended to use this single-number rating in combination with the complete sound absorption curve that can be obtained on request.

FREQUENCY (Hz)	125	250	500	1000	2000	4000
Dynamic	0.35	0.55	0.85	1.10	1.45	1.55



Weighted Sound Absorption Coefficient (aw) - Measured in accordance with ISO 11654. Practical sound absorption coefficient ap values at given standard frequencies are compared with reference curve aw.

Noise Reduction Coefficient (NRC) - The mean average as value at frequencies 250, 500, 1000 and 2000 Hz.

Absorption Class – Levels of comparison of absorption values against a reference curve with A as highest and E as lowest. Measured in accordance with ISO 11654.

Practical Sound Absorption Coefficient (ap) - The average of the three as values centered on the 1/3 octave band center frequency, measured in accordance with EN ISO 354.

Note: The sound absorption values provided in this product sheet are subject to change without prior notice from The Acoustics Company. For the most current and accurate technical specifications, please contact our Sales Team directly.

THE ACOUSTICS COMPANY

Accredited Contractor
CHAS.co.uk

www.acousticscompany.com @theacousticscompany

#ResonateBliss