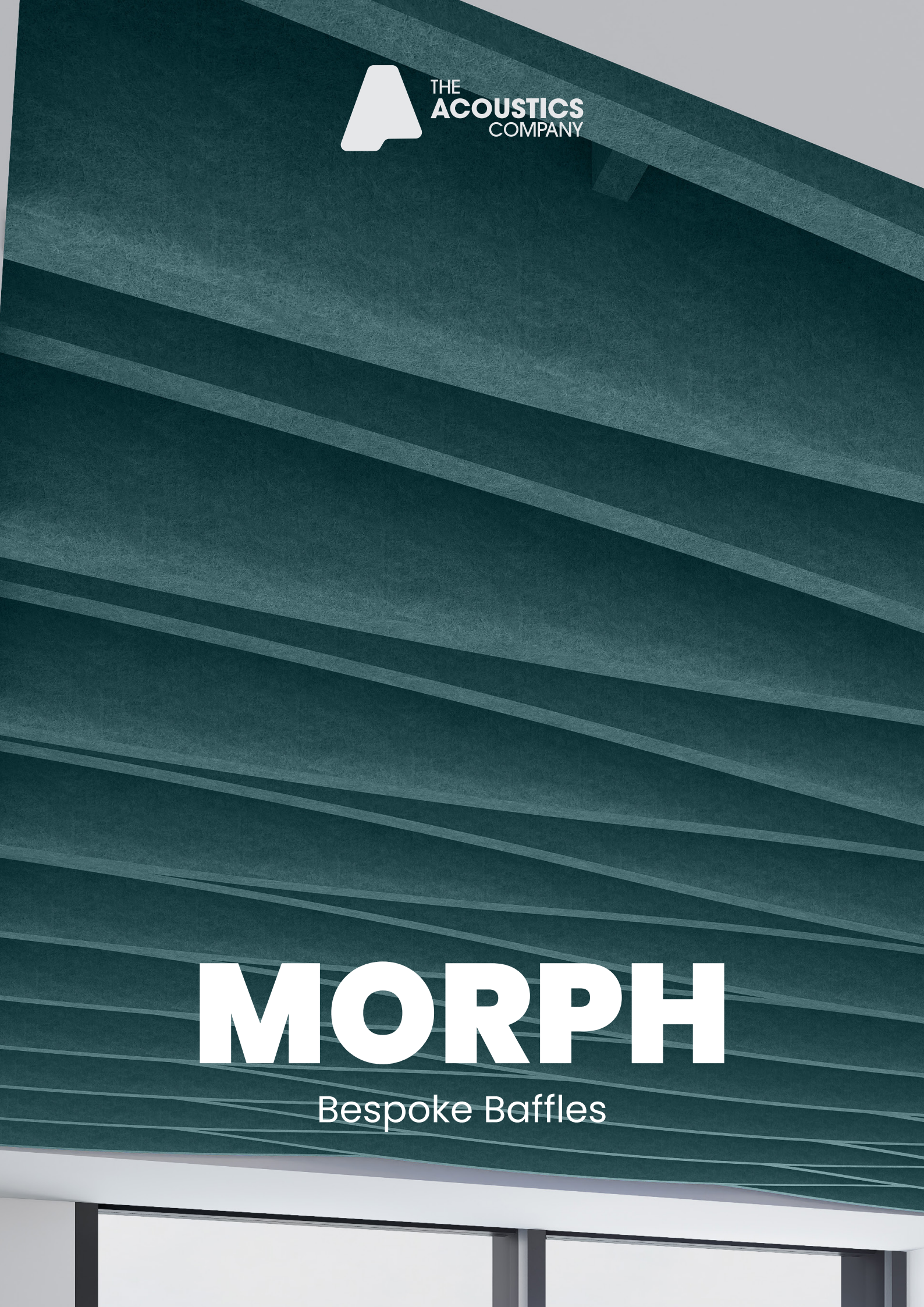
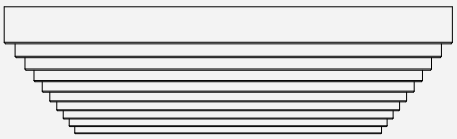

THE
ACOUSTICS
COMPANY
MORPH
Bespoke Baffles

PRODUCT INFO

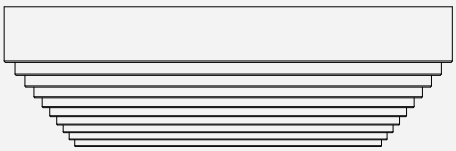
There is no other way to describe bespoke baffles other than our Morph products. The different forms of our bespoke baffle designs can play and fit around any interior space. It boast a collection of classic and sophisticated designs that transform your ceiling into a magnificent view of parametric elegance and delight.

Indulge with the beauty of our bespoke baffles as it morphs your projects into a haven of unmatched aesthetic value and exceptional acoustic performance.

MORPH DESIGNS

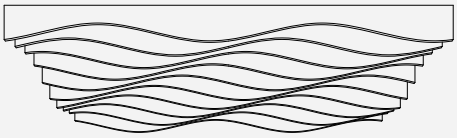


Morph - Straight
Baffle Height: 190mm
6 fins per set.

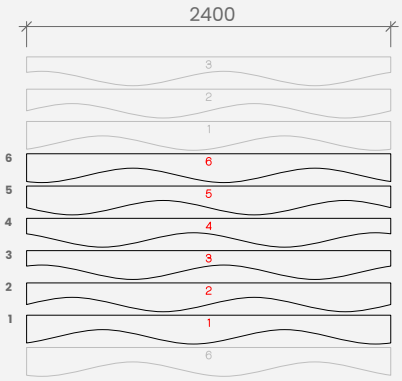


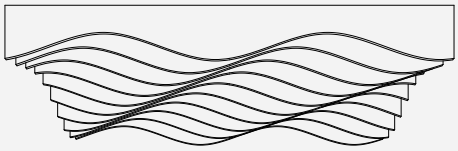
Morph - Straight
Baffle Height: 290mm
4 fins per set.

STRAIGHT

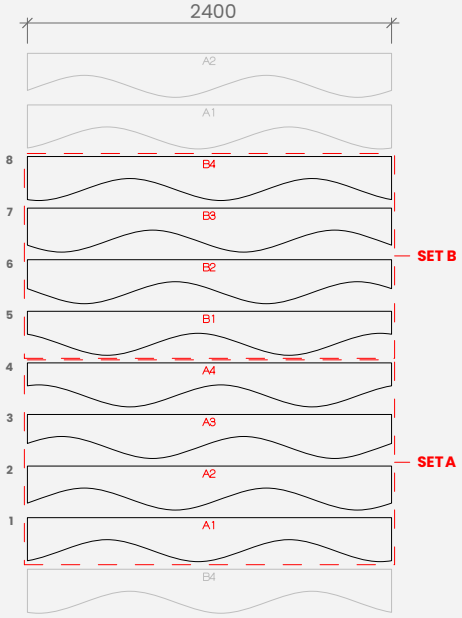


Morph - Wave
Baffle Height: 190mm
6 fins per set.
Start again with baffle fin "1" to repeat and continue the pattern.



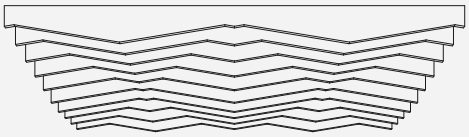


Morph - Wave
Baffle Height: 290mm
Available in 2 variants. 4 fins per set.
Both variants must be ordered to complete the pattern. Alternate between Set A and Set B to continue and repeat the pattern.

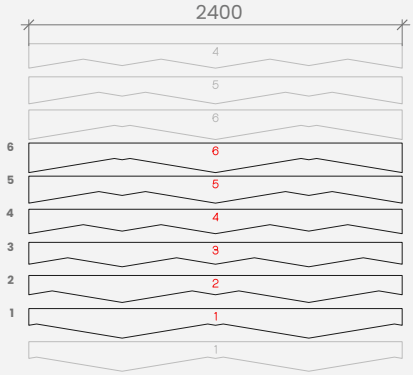


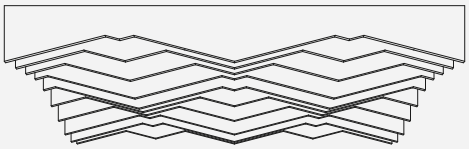
WAVE

MORPH DESIGNS

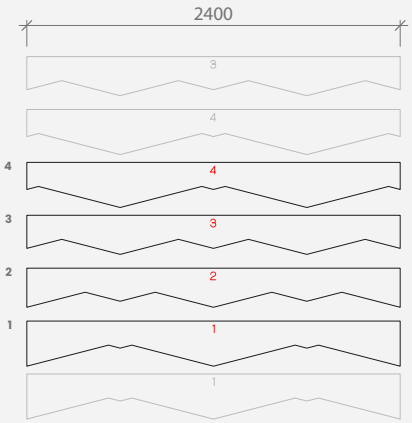


Morph - Ridge
Baffle Height: 190mm
6 fins per set.
Start again with baffle fin "6" to repeat and continue the pattern.



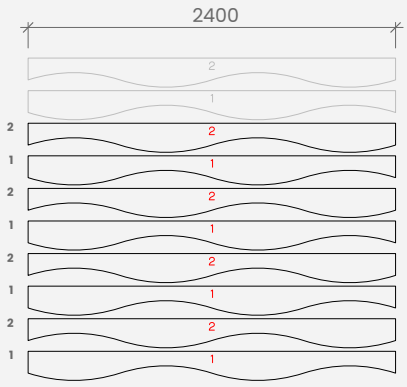


Morph - Ridge
Baffle Height: 290mm
4 fins per set.
Start again with baffle fin "4" to repeat and continue the pattern.

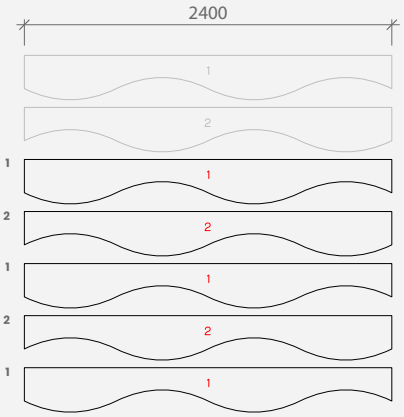


RIDGE

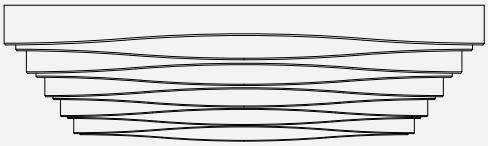
Morph - Crest
Baffle Height: 190mm
8 fins per set.
2 fins alternating



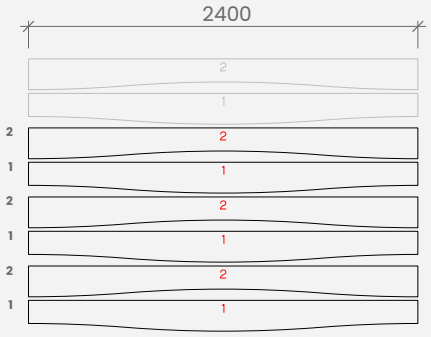
Morph - Crest
Baffle Height: 290mm
5 fins per set.
2 fins alternating

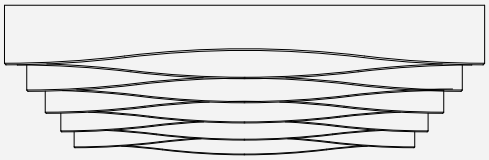


CREST

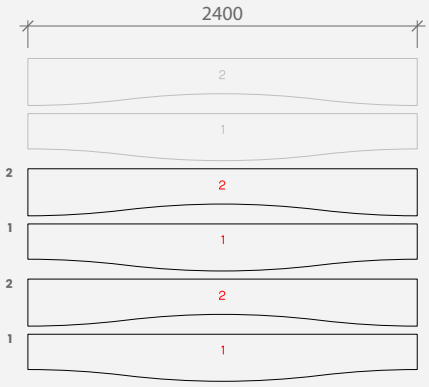


Morph - Mirage
Baffle Height: 190mm
6 fins per set.
2 fins alternating





Morph - Mirage
Baffle Height: 290mm
4 fins per set.
2 fins alternating



MIRAGE

PRODUCT	ARTICLE	DIMENSION	THICKNESS
Straight	03CTMOR-STR000	Bespoke Baffle Dimensions	12mm/24mm
Wave	03CTMOR-WAV000	Bespoke Baffle Dimensions	12mm/24mm
Ridge	03CTMOR-RID000	Bespoke Baffle Dimensions	12mm/24mm
Crest	03CTMOR-CRE000	Bespoke Baffle Dimensions	12mm/24mm
Mirage	03CTMOR-MIR000	Bespoke Baffle Dimensions	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 A, C, and D Absorber

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

FINISHES

Morph 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 links below:

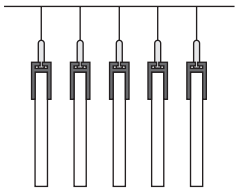
Finishes
Scan the code or visit
www.acousticscompany.com/finishes

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

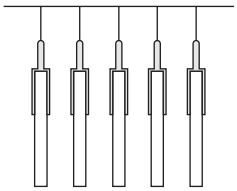
INSTALLATION

The Acoustics Company cater for all project budgets and have multiple fixing methods. Morph baffle system can be installed using the following method:

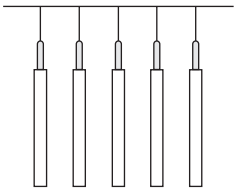
TECH RAIL



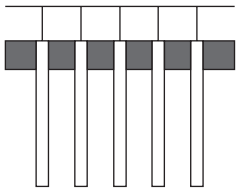
SKY ANCHOR



DIRECT FIX



FAST FIX



DESIGN TIPS

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

1. Morph ceiling treatments can be combined with Acoustic Lighting and Ceiling Rafts. It adds a layer of depth and sophistication to the ceiling.
2. Use Morph to cover large area such as lobbies, function rooms, hallways, and even reception halls.
3. Morph has very good sound absorption and diffusion properties which makes it a good ceiling treatment for educational rooms like auditoriums and classrooms.
4. Moph can use the 12mm PET panel but the 24mm thickness provides the best acoustic comfort.
5. Work closely with installation teams to ensure that the bespoke baffle system can be installed efficiently and securely. Consider accessibility for maintenance and future modifications during the installation process.

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.

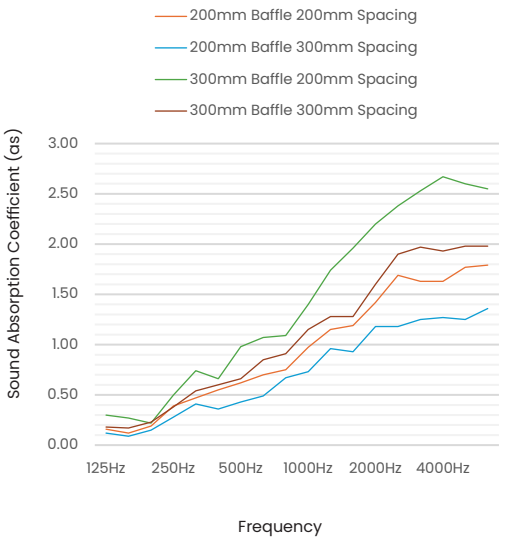
TESTING STANDARDS

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

EXTRAPOLATED BAFFLE SYSTEMS	aw	NRC	CLASS
200mm Baffle 200mm Spacing	0.70(MH)	0.95	C
200mm Baffle 300mm Spacing	0.60(MH)	0.75	C
300mm Baffle 200mm Spacing	0.95(MH)	1.45	A
300mm Baffle 300mm Spacing	0.80(MH)	1.10	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
200mm Baffle 200mm Spacing	0.15	0.45	0.70	1.10	1.60	1.75
200mm Baffle 300mm Spacing	0.10	0.35	0.55	0.85	1.20	1.30
300mm Baffle 200mm Spacing	0.25	0.65	1,05	1.70	2.35	2.60
300mm Baffle 300mm Spacing	0.20	0.50	1.80	1.25	1.80	1.95



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

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