THE ACOUSTICS COMPANY

AMFOLD

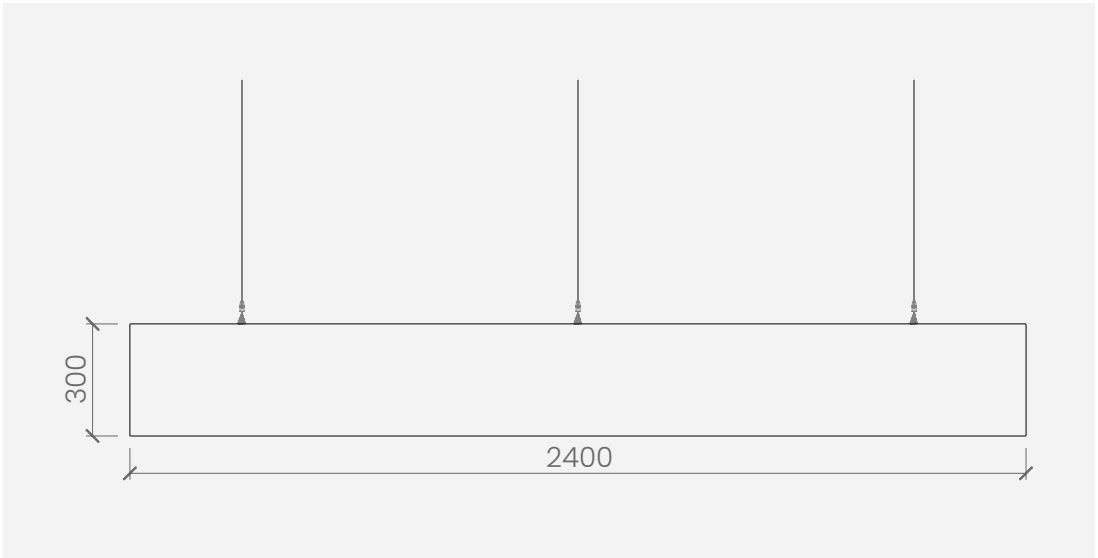
Ambiance Baffles

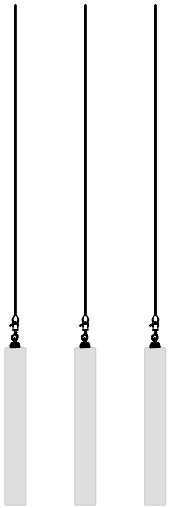
PRODUCT INFO

Amfold is a linear ceiling baffle designed to elevate both acoustic performance and visual appeal. Made from Ambiance Panels crafted from high-quality glasswool and wrapped in a stylish, durable fabric, it offers a seamless blend of functionality and design.

Engineered to effectively absorb sound, Amfold reduces noise levels and enhances speech clarity, making it ideal for diverse environments. Its sleek, contemporary aesthetic ensures it complements modern interiors while delivering superior acoustic comfort. Perfect for workplaces, educational settings, or public spaces, Amfold combines practicality with a sophisticated design ethos.

AMFOLD DESIGNS





PRODUCT	ARTICLE	DIMENSION	THICKNESS
Amfold	03CTABS-AMF000	300mm x 1200mm/ 2400mm	40mm

MATERIAL INFORMATION

COMPOSITION:	Glasswool Core/Fabric Faced
FIRE RATING CORE:	BS 478: PART 6: 1989+A1:2009 (17.4)
FABRIC: FIRE RATING - On Application	BS 478: PART 7: 1997 Class 1, Class 0 Core
SURFACE DENSITY:	4.0kg/m^3
ACOUSTICS:	Class A Absorber

*Our Ambiance Products have a cutting tolerance 10%

FINISHES

Amfold is finished in industry leading fabrics. The selection has different textures and colours that would compliment any interior space and concept. Please refer to the QR code below:

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

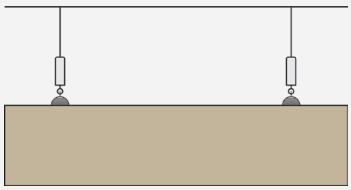
Catalogue
Scan the code or visit
https://acousticscompany.com/wp-content/uploads/2025/03/PRODUCT-BROCHURE-2025.pdf

INSTALLATION

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

Amfold ceiling rafts can be installed using the following method:

AMBIANCE BAFFLE SPIRAL



DESIGN TIPS

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

1. Determine the size and shape of the baffles based on the room dimensions and acoustic requirements. Larger baffle panels generally provide more surface area for sound absorption.
2. Explore different fabric finishes to match the overall design scheme of the space.
3. Keep in mind that lighter colours tend to reflect more light, making the space feel brighter, while darker colours can add depth and contrast.
4. Design the baffle system for easy accessibility if maintenance or adjustments are needed in the future. Make sure ceiling elements such as ducts, lighting, sprinklers, etc. are well-considered in the reflected ceiling plan layout.

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.

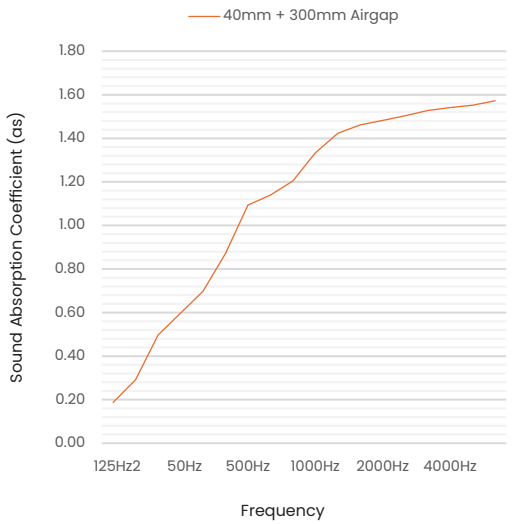
TESTING STANDARDS

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 AMBIANCE	aw	NRC	CLASS
40mm + 300mm Airgap	1.00(MH)	1.20	A

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
40mm + 300mm Airgap	0.30	0.70	1.15	1.40	1.50	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