



ALPHAacoustic-AB
ACOUSTIC VERTICAL BAFFLES

APPLICATIONS

ALPHAcoustic-AB are vertically hanged acoustic baffles totally wrapped with acoustic transparent fabric. They offer reduction of the disturbing noise reflections, improving the interior acoustics, reducing the reverberated noise, offering a better acoustic environment. Due to the two highly absorptive sides of the baffle, ALPHAcoustic-AB offer high sound absorption.



Typical applications:

- Reception areas
- Recording studios
- Classrooms
- Offices
- Discos
- Teleconference Rooms
- Restaurants
- Waiting rooms
- Call Centers

Standard Dimensions 120x60cm and 120x30cm
 Regular thickness 50-80-100mm
 (Other dimensions & thicknesses upon request)



SOUND ABSORPTION

ALPHAcoustic-AB is specifically designed to achieve maximum sound absorption at a specific frequency range. Our team of acoustic engineers can assist in choosing the acoustic baffle with the most adequate sound absorption index (α_c) for your project according to ISO 354:2003 and ISO 11654:1997.

Indicative sound absorption coefficient (α_N) for baffles with dimensions 1200x600x80 mm with 600 mm spacing can be found in the following table (where α_N is the equivalent sound absorption)

Type: ALPHA coustic-AB 1200x600x80mm	Frequency (Hz)					
	125	250	500	1000	2000	4000
Sound Absorption Coefficient (α_N)	0.15	0.43	0.98	1.4	1.4	1.3

Depending on the requirements of each application and in order to achieve sound absorption in a wide range of frequencies, a combination of different sound absorptive materials can be applied.

In order to determine the required quality and configurations of acoustic baffles an acoustic study is recommended.

INSTALLATION

Acoustic Vertical Baffles **ALPHAcoustic-AB** can be easily hung from the ceiling with their simple two-point hanging system at the top of the panel, included in the installation pack.

EXTERNAL COVERING

Acoustic baffles **ALPHAcoustic-AB** are available with different external covering depending on the aesthetics of each project. The most common is a special sound transparent fabric with high endurance and excellent quality.

They are available in various colours and can be self extinguished (*Flamability test EN13501-1 Class B, s2, d0*).

For more color options, please refer to our sound transparent fabric **ALPHAcoustic CL**. Due to their increased sound transmissibility, the sound absorption capabilities of the internal material are not affected.



The acoustic baffles **ALPHAcoustic-AB** can be produced in different shapes, dimensions and thickness upon request.



ALPHA ACOUSTIKI Ltd combines technical experience and scientific knowledge of its Engineers which are specialized in the field of room acoustics since 1980. Our complete range of innovative acoustics products can offer solutions to complex architectural acoustic projects. Some of our Acoustic products creations:

- **ALPHA**acoustic-AM: Self-standing Acoustic Panels
- **ALPHA**acoustic-AP.C: Acoustic Panels with fabric
- **ALPHA**acoustic-Desk: Desk Acoustic Partition
- **ALPHA**acoustic-Kiklos: Round Acoustic Panels
- **ALPHA**acoustic-Kima: Wave Acoustical Ceiling Cloud
- **ALPHA**acoustic-Multi: Multi-pattern Acoustic Panels
- **ALPHA**acoustic-Puzl: Modular Acoustic Panels

and many more

Our technical department (tech@alphacoustic.com), will be glad in assisting you the best solution to improve the Architectural Acoustics in your project.

CONTACT



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