



**ALPHA**acoustic-AP  
RECTANGULAR ACOUSTIC PANELS

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**ALPHA** ACOUSTIKI



## DESCRIPTION

**ALPHAcoustic-AP** are rectangular acoustic panels totally wrapped with acoustic transparent fabric.

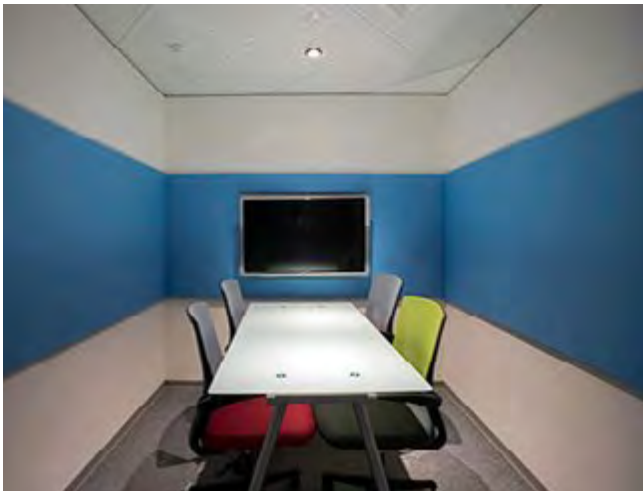
It offers reduction of disturbing noise reflections, improving the interior acoustics, reducing the reverberated noise, offering a better acoustic environment.

It can be installed on:

- Walls
- Ceilings

Typical applications:

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



## ACOUSTIC CHARACTERISTICS

**ALPHAcoustic-AP** is specifically designed to achieve maximum sound absorption at a specific acoustic range band. Our team of acoustic engineers can assist in choosing the acoustic panel with the most adequate sound absorption index ( $\alpha_s$ ) for your project according to ISO 354.2003 and ISO 11654.1997.

Indicative practical sound absorption coefficient ( $\alpha_p$ ), and weighted sound absorption coefficient ( $\alpha_w$ ) can be found in the following table:

ALPHAcoustic-AP Type:	Practical Sound Absorption Coefficient $\alpha_p$						Weighted Sound Absorption Coefficient ( $\alpha_w$ )	Sound Absorption Class
	Frequency (Hz)							
	125	250	500	1000	2000	4000		
Thickness 30 mm	0.05	0.3	0.75	0.8	0.9	0.85	0.8	B
Thickness 50 mm	0.20	0.75	0.9	1	1	1	1	A
Thickness 80 mm	0.45	0.95	1	1	1	1	1	A

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.

## INSTALLATION

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Modular Acoustic Panels **ALPHA**coustic-AP can be easily placed on the wall and the ceiling with their simple hanging system at the back of the panel.

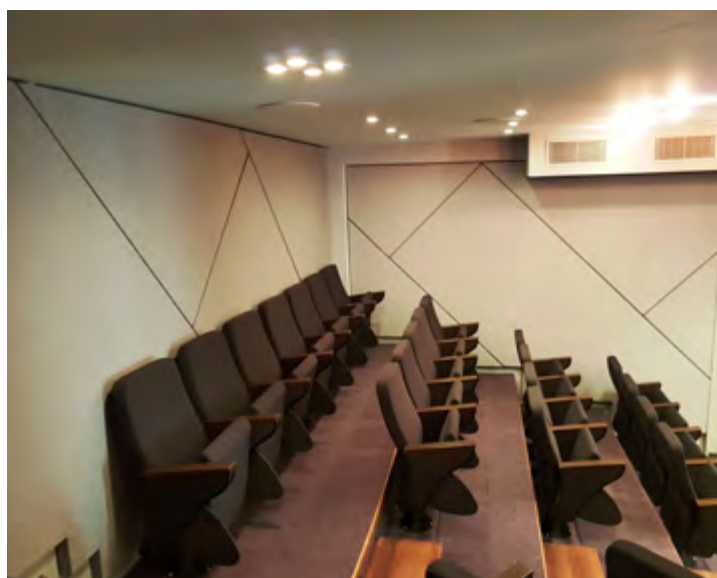
## EXTERNAL COVERING

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Our acoustic panels 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 (Flammability test EN13501-1 Class B, s2, d0).

For more color options, please refer to our sound transparent fabric [ALPHA](#)coustic CL. Due to their increased sound transmissibility, the sound absorption capabilities of the internal material are not affected.



The acoustic panels 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 Acoustics product creations:

- **ALPHA**acoustic-AB: Acoustic vertical Baffles
- **ALPHA**acoustic-AM: Self standing Acoustic Panels
- **ALPHA**acoustic-Desk: Acoustic Partitions on the Desk
- **ALPHA**acoustic-Kiklos: Round Acoustic Panels
- **ALPHA**acoustic-Kima: Wave Acoustical Ceiling Cloud
- **ALPHA**acoustic-Multi: Multi-pattern Acoustic Panels
- **ALPHA**acoustic-Puzl: Special form 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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