



ALPHAcoustic-AP.Ortho
RECTANGULAR ACOUSTIC PANELS

DESCRIPTION

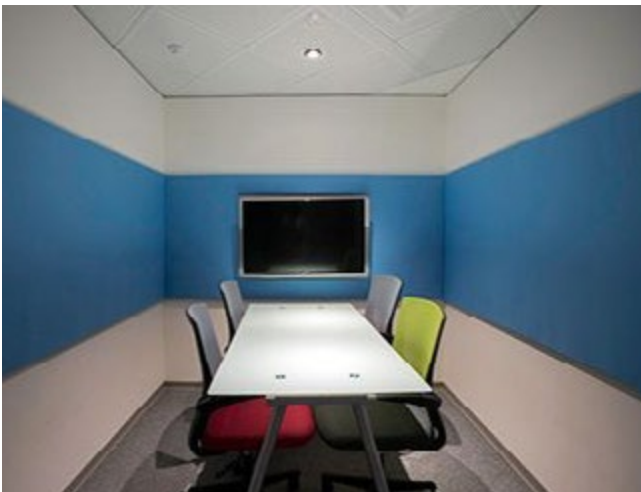
ALPHAcoustic-AP.Ortho are rectangular acoustic panels totally wrapped with acoustic transparent fabric. They offer reduction of disturbing noise reflections, improving the interior acoustics, reducing the reverberated noise, offering a better acoustic environment.

They can be installed on:

- Walls
- Ceilings

Typical applications:

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



SOUND ABSORPTION

ALPHAcoustic-AP.Ortho 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 (α_s) for your project according to ISO 354.2003 and ISO 11654.1997.

Indicative practical sound absorption coefficient (α_p) per square meter, and weighted sound absorption coefficient (α_w) can be found in the following table:

ALPHAcoustic-AP.Ortho Type:	Practical Sound Absorption Coefficient α_p						Weighted Sound Absorption Coefficient (α_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

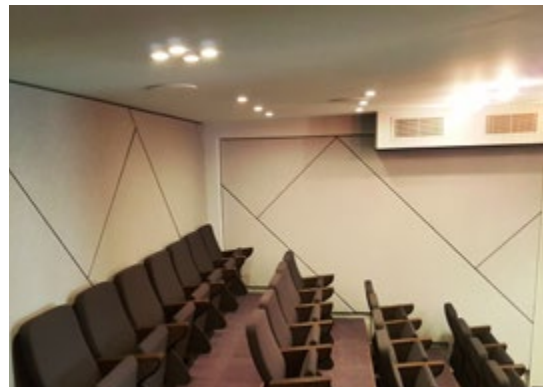
Rectangular Acoustic Panels **ALPHA**coustic-AP.Ortho can be easily placed on the wall and the ceiling with their simple hanging system at the back of the panel.
Please specify the intended application for more installation options.

EXTERNAL COVERING

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.



ALPHAcoustic-AP.Ortho can be produced in different shapes, dimensions and thickness upon request.



In TUNE with YOUR needs

ALPHA ACOUSTIKI Ltd combines technical experience and scientific knowledge of its Engineers who are specialized in the field of room acoustics since 1980.

We create workplaces where people choose to work, tailored to the specific requirements of each job, with particular attention to the acoustic necessities of the employee.

DESIGNING FOR WELL-BEING

The concept designed of ALPHAcoustic products puts in practice all fundamentals of well-being.

Focus on employee and workplace well-being, can result in improved productivity, increased confidence, offering a better staff concentration.

Our Acoustic products help to achieve the WELL Building Standard™ Certification.

Our technical department (tech@alphacoustic.com), would be happy to help you improve the Architectural Acoustics in your project.



CONTACT



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