



ALPHAcoustic-AM.Ortho
SELF-STANDING ACOUSTIC PARTITIONS

DESCRIPTION

ALPHAcoustic-AM.Ortho are floor self-standing sound absorptive partitions that offer a flexible solution in several room acoustics problems. They improve the sound diffusion, increase the sound absorption, noise insulation and prevent standing waves generation.

Therefore they increase the productivity of individual employees by offering them a quiet and well-being professional atmosphere. These panels are made of rigid internal frame and can be covered with sound-transparent fabric available in different colours on both sides.

For a better aesthetic feel, custom images and designs can be printed on the special acoustic fabric ALPHAcoustic CL.Art (eg. company logo, quotes, etc.)

Its core consists of appropriate sound absorptive material, which can be covered with additional internal protection membrane.



Section Detail of corner conjunction with acoustic fibrous infill

SOUND ABSORPTION

ALPHAcoustic-AM.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-AM.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 50 mm	0.20	0.75	0.9	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.



APPLICATIONS

ALPHAcoustic-AM.Ortho can be applied to visually and acoustically separate "open plan" spaces, such as accounting offices, call centers etc. They can also be placed to separate musical instruments in studios, increase the sound absorption and defusion of a room etc.

They can be easily placed, removed or relocated for space rearrangement.

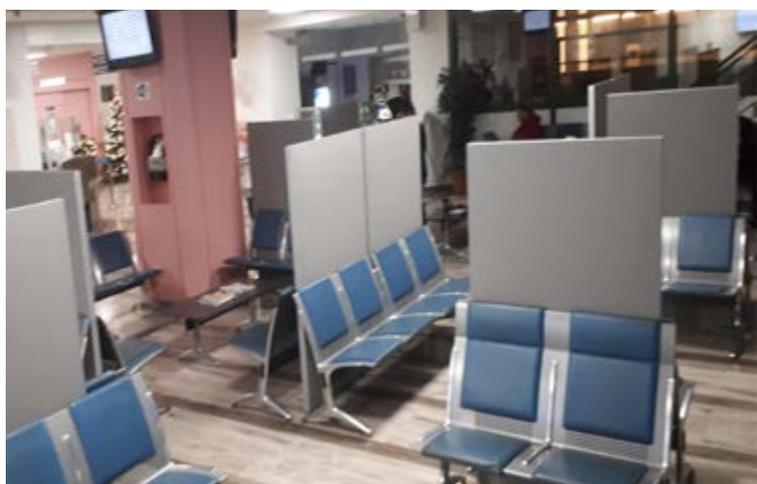
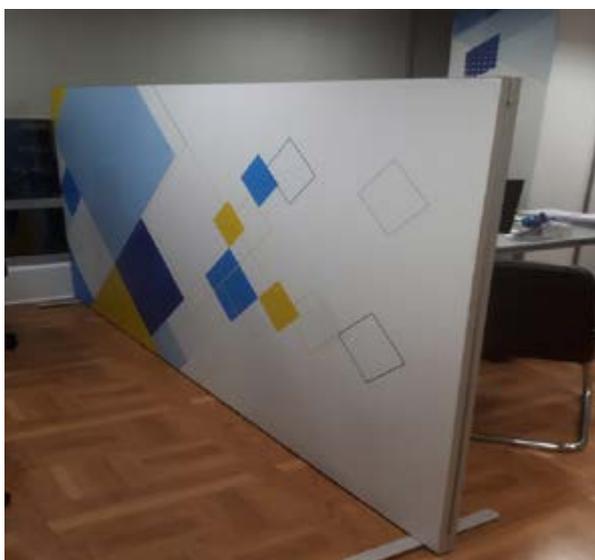
They are available in various colours and can be self extinguished (Flamability test EN13501-1 Class B, s2, d0).



TYPICAL APPLICATIONS



Special hinge profile
For ZigZag panel frame





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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Eco-friendly



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