



ALPHAacoustic-Slim
SLIM - LINE ACOUSTIC PANELS

ALPHA ACOUSTIKI
In TUNE with YOUR needs

DESCRIPTION

ALPHAcoustic-Slim Line panel was created to offer a minimalist aesthetic presentation with a wool felt texture, offering higher sound-absorption. Externally they are wrapped with sound-transparent recycled wool fabric, with a rich choice of color shades. Internally they are filled with fiber sound-absorbing material.

In order to emphasize their delicate appearance they have a thickness of only 20 mm, with smooth vertexes and curved perimeter edges.



The natural fibers of the wool fabric come from a rapidly renewable resource (hair that grows naturally in sheep), due to the composition of natural wool it is considered to be biodegradable. Wool fabric Design contributes to green building certification LEED® and Building Research Establishment Environmental Assessment Method BREEAM for Health and Wellbeing.

Due to their very good acoustic properties, the panels can reduce annoying noise reflections and resonant acoustic field, improving acoustic comfort, offering a better acoustic environment.

MAIN ADVANTAGES

- Slime + Refined + Elegant
- Appearance of felt texture
- High sound-absorption
- Soft curves that suggest comfort, safety, familiarity and relaxation, recalling the curves of the human body.
- Ability to adapt to any living space.

ACOUSTIC CHARACTERISTICS

After a very careful selection of acoustic materials we achieved to realize a final product with high sound absorption performance at a wide frequency range, in such a small thickness. Our team of acoustic engineers can assist in choosing the acoustic panels with the most adequate sound absorption index for your project.

Indicative practical sound absorption coefficient (α_p) per square meter, and weighted sound absorption coefficient (α_w) according to ISO 11654.1997 can be found in the following table:

Frequency (Hz)	125	250	500	1000	2000	4000	Weighted sound absorption coefficient (α_w)	Sound absorption Class
Sound Absorption (α_p)	0.05	0.30	0.75	0.80	0.90	0.85	0.80	B

CLOUD PANELS

ALPHAcoustic-Slim.Cloud is a new series of acoustic flying ceiling panels. They can be suspended with stainless steel cables (height regulation) or fixed on the ceiling using 4 appropriated hoops. They can provide high sound absorption eliminating the unwanted sound reflection from the ceiling, offering a colorful and modern aesthetics.

Standard dimensions (other dimensions on request)

Rectangular Cloud: 120X60 cm

Kiklos Cloud: Ø80-100-120 cm



OFFICE PARTITIONS

ALPHAcoustic-Slim.Desk are desk-standing sound absorptive partitions with smooth vertexes and curved perimeter edges for office desks applications. They improve sound absorption and offer better acoustic in the working environment.

They offer a flexible solution in acoustic problems in open-plan offices, such as accounting offices, call centers, customer support department and everywhere visual and sound isolation is needed.



Slim. Desk



ALPHAcoustic-Slim.AM are self-standing acoustic partitions. They offer a flexible solution in acoustic problems in open-plan offices, such as accounting offices, call centers, customer support department and everywhere visual and sound isolation is needed.



Slim.AM & Desk

All SLIM desk dividers are delivered with the necessary metal fixing brackets/mounts for their proper support according to European Norm EN 1023-1. 1996

WALL PANELS

ALPHAcoustic-Slim.Wall In order to complete the range of acoustic products with SLIM design we created a corresponding category of acoustic objects, suitable for wall mounting. This category includes rectangular shapes of various dimensions, without excluding the use of the circular shape. In this way you can complete the acoustic requirements of your space by adding acoustic panels to the walls with a similar aesthetic.

Standard dimensions (other dimensions on request): 120X60 cm



LIGHTING PANELS

All the cloud panels can be equipped with linear or spot lighting sources, combining acoustics with lighting needs.

Besides excellent acoustics, **ALPHAcoustic-Slim.FOS** are designed with the aim of providing to interior architects and mechanical lighting consultants complete acoustic and lighting solutions. For more technical lighting specifications please contact our technical department at tech@alphacoustic.com.



Our R&D department can also design and produce bespoke solutions in order to meet the project demands and to realize your ideas.

FABRIC COVER

NATURAL WOOL FABRIC COVER PROPERTIES



As natural as possible:
sheep's wool,
a regenerative raw material

Wellness

Sheep wool has many natural properties that prove to be beneficial for our health, well-being and comfort. Wool products, for example, can offer UV protection, moisture control, thermal insulation, breathability, acoustics and the absorption of toxic chemicals into the atmosphere. Main Environmental Friendly, contains no formaldehyde, 100% VOC free, no chemical irritants, and free of harmful substances.

Air purification

The wool naturally repels dirt and naturally regulates indoor air humidity, while it is resistant to moths. Thus, sheep wool is a non-allergenic natural product. It can absorb up to a third of its weight in water and release it again. It is also able to filter formaldehyde from the air and transform it into harmless substances.

Natural flame retardant

Natural wool is widely recognized as the most flame retardant. This property in terms of flame comes from the natural high content of nitrogen and water in its fiber. Because of this, wool requires higher levels of oxygen in the environment to burn.

ECO Biodegradation

Wool is made mainly of keratin, the same protein as human hair. The wool grows naturally in sheep, as our hair grows longer. Through biodegradation, microorganisms in soil or water dissolve matter and transform it (biodegradable matter). These microorganisms dissolve during their life cycle.

Antistatic

The wool retains its internal moisture, making it less prone to static electric charge. This is an important factor in the operation of an electrical / electronic equipment.

TECHNICAL CHARACTERISTICS

Composition	70% WO - 20% PL - 5% PA - 5% PC	
Weight	320gr/m ²	
Flammability	Cigarette Test (EN 1021-1) (BS 5852 ign. 0) - Pass Match Test (EN 1021-2) (BS 5852 ign. 1) - Pass IMO Test (A.652/16 - upholstery) - Pass	
Color fastness to light	5 (UNI EN ISO 105 B02)	
Care Instructions*	    	*For more specific cleaning instructions, please refer to our technical department at tech@alphacoustic.com
Colour Matching	Batch to batch variations in shade may occur with commercial tolerances.	

Color Variation Wool felt is a natural material and color variation is evidence of its natural origin. For this reason, the color codes of the product are only indicative. Variations in temperature and humidity can expand or contract the fibers affecting the size and shape of the felt.

Maintenance

Vacuum regularly. Wipe clean with a damp cloth or shampoo using proprietary upholstery shampoo.

COLOR CODES

Selecting the right color combinations for your project, could be a great way to set the mood and tone of your designs. Here is our **ALPHA**coustic-NWF wide range of colors.



Note:

The ALPHAcoustic-Slim panels can be produced using also other sound-transparent fabrics, upon request.

LEGAL NOTICE

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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

Please be informed about the rest of our creations in acoustic panels such as:

- **ALPHAcoustic-Ortho**
- **ALPHAcoustic-SonusFelt**

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



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