Architectural Acoustics

ALPHAcoustic-Urban

TRAPEZOID ACOUSTIC PANELS WITH FABRIC

ALPHA ACOUSTIKI

In TUNE with YOUR needs

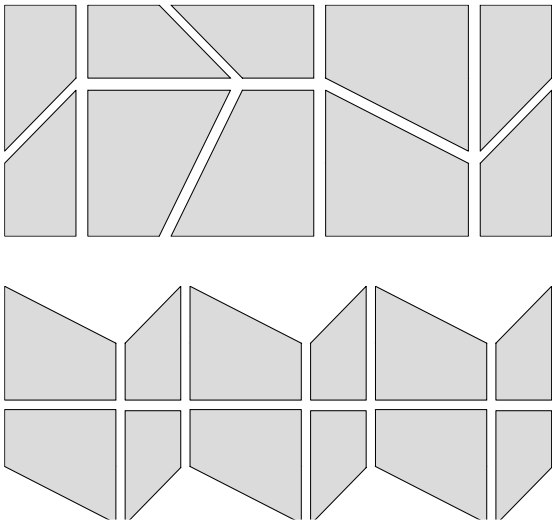
DESCRIPTION

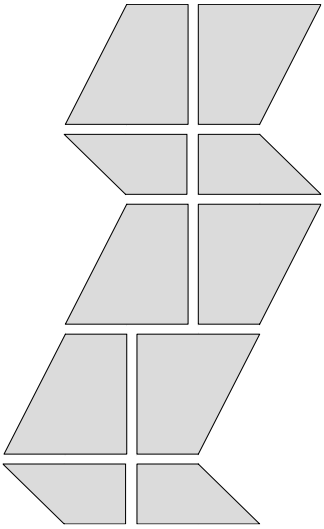
ALPHAcoustic**-Urban** is an acoustic panel inspired by the Urban Design Project. The panel is totally wrapped with acoustic transparent fabric. The **ALPHA**coustic**-Urban** consists of only two different panel designs that can create eldless possible combinations.

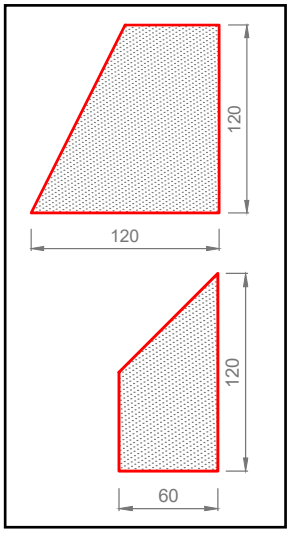
It offers reduction of disturbing noise reflections, improving the interior acoustics, reducing the reverberated noise, offering a better acoustic environment.

Why ALPHAcoustic - Urban:

- Easy wall suspension system
- Excellent sound absorption
- Versatile application combination
- Light weight
- *Fully recyclable*
- Acoustic transparent fabric cover
- Fire resistant (incombustible core & frame)







SOUND ABSORPTION

ALPHAcoustic**-Urban** 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), and weighted sound absorption coefficient (α_p) can be found in the following table:

Type: ALPHAcoustic**-Urban**	**Practical Sound Absorption Coefficient α_p** *Frequency (Hz)*						**Weighted Sound Absorption Coefficient (α_w)**	**Sound Absorption Class**
	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.

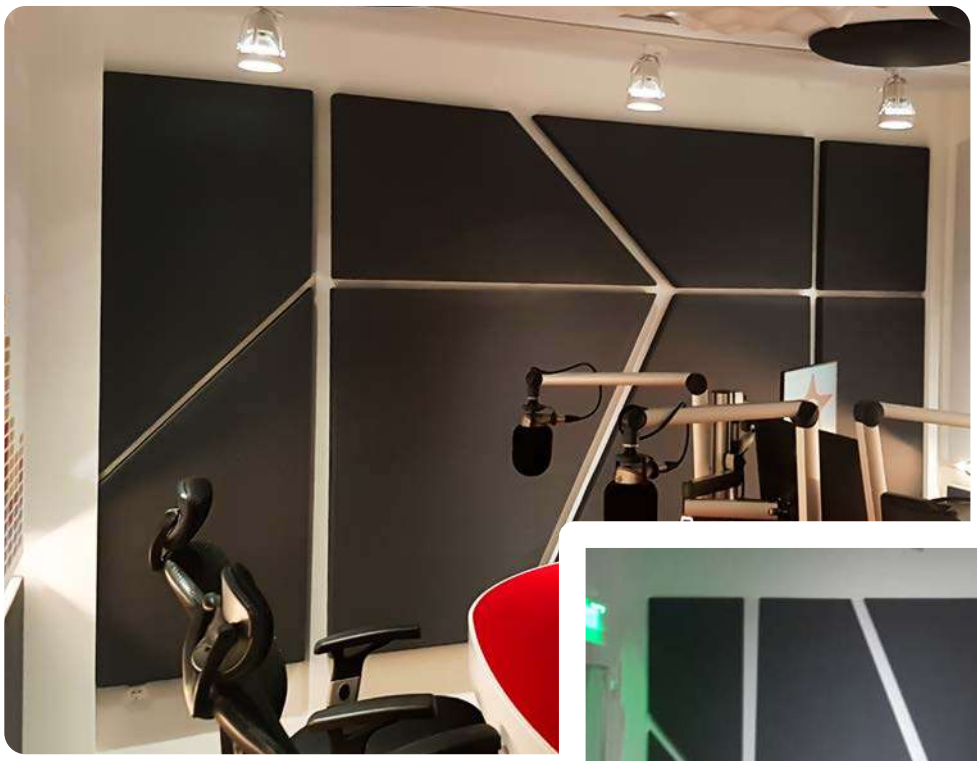
INSTALLATION

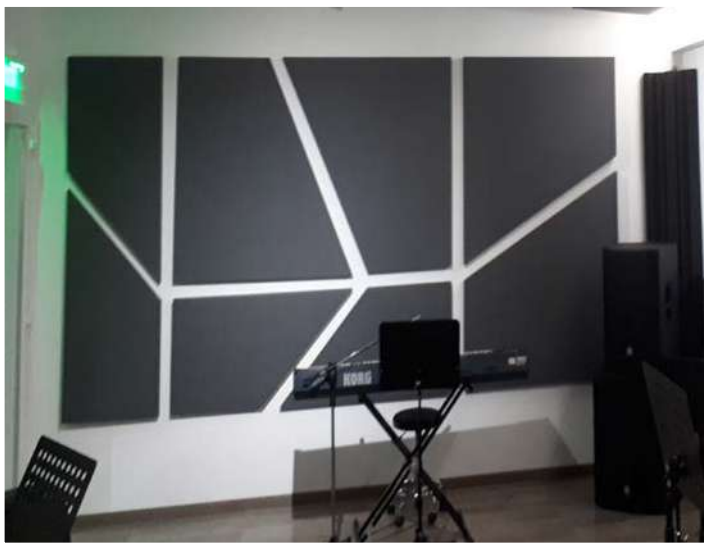
The Acoustic Panels **ALPHA**coustic**-Urban** can be easily placed on the wall and the ceiling with their simple hanging system at the back of the panel.

EXTERNAL COVERING

The **ALPHA**coustic**-Urban** 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 ALPHAcoustic CL. Due to their increased sound transmissibility, the sound absorption capabilities of the internal material are not affected.





The acoustic panel **ALPHA**coustic**-Urban** can be produced in different dimensions and thickness upon request.

Our technical department will be happy to present different design combinations that will best fit your project's technical and aesthetic requirements.

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ALPHA ACOUSTIKI S.A. 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
Recyclable

*Design and Production according to Quality Management System **ISO 9001.2008** & Environmental Management System **ISO 14001.2004***