



**ALPHA**coustic-Sine  
SINE WAVE ACOUSTIC VERTICAL BAFFLES

## APPLICATIONS

**ALPHA**coustic-Sine are vertically hanged acoustic baffles totally wrapped with acoustic transparent fabric. They offer reduction of the disturbing noise reflections, improving the interior acoustics, reducing the reverberated noise, offering a better acoustic environment. Due to the two highly absorptive sides of the baffle, ALPHAcoustic-Sine offer high sound absorption.

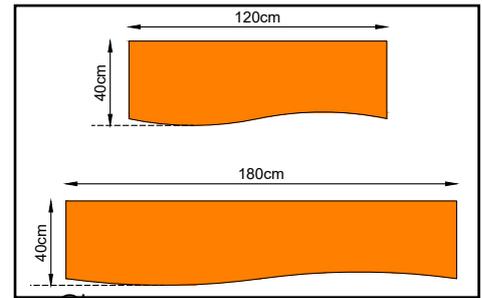
Typical applications:

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

Standard dimensions 120x40cm and 180x40cm

Regular thickness 30-50-80mm

(Other dimensions & thicknesses upon request)



## SOUND ABSORPTION

**ALPHA**coustic-Sine is specifically designed to achieve maximum sound absorption at a specific acoustic range band. Upon request we can help you determine the sound absorption coefficient ( $\alpha_N$ ) according to ISO 354.2003 for most types of our acoustic baffles.

Indicative sound absorption coefficient ( $\alpha_N$ ) for baffles with dimensions 1200x400x80 mm with 400 mm spacing can be found in the following table (where  $\alpha_N$  is the equivalent sound absorption surface per object.)

Type: <b>ALPHA</b> coustic-Sine 1200x400x80mm	Frequency (Hz)					
	125	250	500	1000	2000	4000
Sound Absorption Coefficient ( $\alpha_N$ )	0.2	0.43	0.98	1.4	1.4	1.3

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.

In order to determine the required quality and configurations of acoustic baffles an acoustic study is recommended.

## INSTALLATION

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The Sine-wave Acoustic Vertical Baffles **ALPHA**coustic-Sine can be easily hung from the ceiling with their simple two-point hanging system at the top of the panel.

## EXTERNAL COVERING

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The Sine-wave Acoustic Baffles **ALPHA**coustic-Sine 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 colors and can be self-extinguished (*Flammability test EN13501-1 Class B, s2, d0*).

For more color options, please refer to our sound transparent fabrics ALPHAcoustic CL. Due to their increased sound transmissibility, the sound absorption capabilities of the internal material are not affected.



The acoustic baffles **ALPHA**coustic-Sine 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](mailto:tech@alphacoustic.com)), would be happy to help you improve the Architectural Acoustics in your project.



### CONTACT



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