



**ALPHA**coustic-Ceiling  
FALSE CEILING ACOUSTIC PANELS

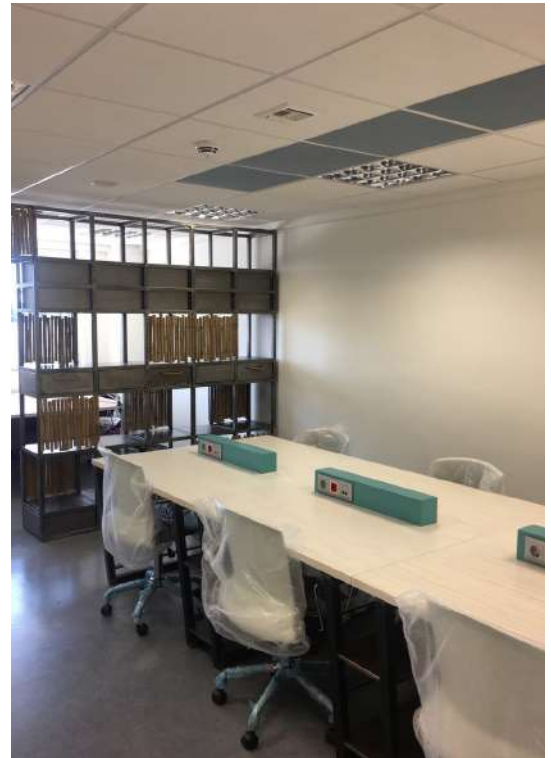
## DESCRIPTION

**ALPHAcoustic-Ceiling** is a frame-less acoustic panel, that replaces false ceiling tiles to offer better room acoustics. It is wrapped with acoustic transparent fabric. It reduces the flutter echoes and reverberations and improves interior acoustics offering a better acoustic environment. **ALPHAcoustic-Ceiling** does not disturb the space visually, since it is inserted inside the ceiling metal profile. Moreover, the panels do not affect the functioning of the Air-Conditioning or the lightning systems.

Typical applications:

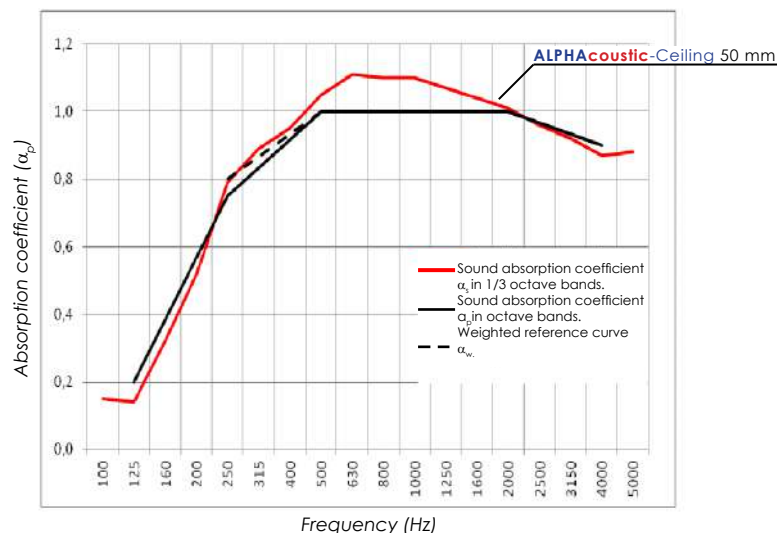
- Reception areas
- Offices
- Classrooms
- Waiting rooms
- Teleconference Rooms
- Call Centers

Standard dimentions: 59.3 x 59.3 cm  
119.3 x 59.3 cm  
Standard thickness: 30 & 50 mm



## SOUND ABSORPTION

**ALPHAcoustic-Ceiling** is specifically designed to achieve maximum sound absorption at a specific acoustic range band. The sound absorption index ( $\alpha_s$ ) according to ISO 354.2003 and ISO 11654.1997, the Indicative practical sound absorption coefficient ( $\alpha_p$ ), and weighted sound absorption coefficient ( $\alpha_w$ ) expressed in  $m^2$ , can be found in the following graph and table:



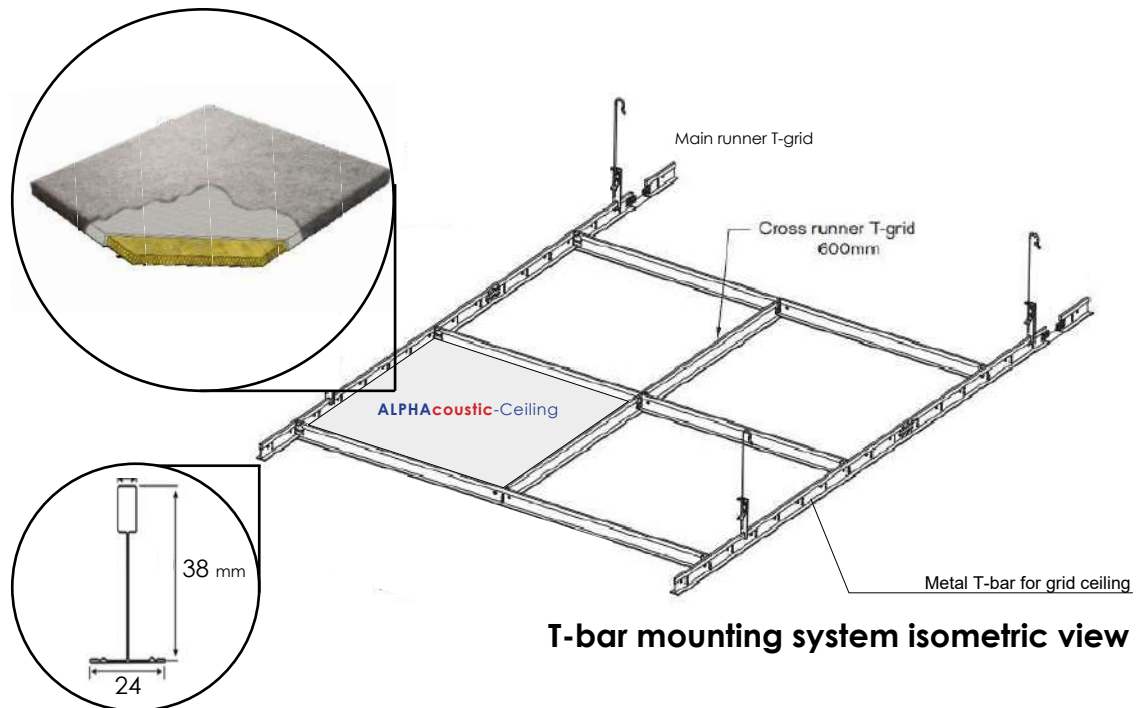
| ALPHAcoustic-Ceiling | Practical Sound Absorption Coefficient $\alpha_p$ |      |      |      |      |      | Weighted Sound Absorption Coefficient ( $\alpha_w$ ) | Sound Absorption Class |
|----------------------|---------------------------------------------------|------|------|------|------|------|------------------------------------------------------|------------------------|
|                      | 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                      |

Noise Reduction Coefficient NRC = 1 according to ASTM 423

\* Test Report: Istituto Giordano / 168182

## INSTALLATION

The Acoustic Panels **ALPHA**coustic-Ceiling can be easily placed on the standard T-bar mounting system for dropped ceiling. Additionally, upon request, the panels can be suspended just below the ceiling surface for a different visual effect



## EXTERNAL COVERING

Acoustic panels **ALPHA**coustic-Ceiling are covered externally with special sound transparent fabric that meets the modern aesthetic design. They are available in 32 colors, with self extinguishing characteristics.

For more information, please refer to our sound transparent fabrics **ALPHA**coustic CL. Due to their increased sound transmissibility, the sound absorption capabilities of the internal material are not affected.

## CORE MATERIAL

The core material is a stonewool board, semi rigid, industrially produced from molten rock spun into fibres. It is classified as mineral wool product for use in building insulation, according to the European

Standard EN 13162 (MW - Mineral Wool insulation products).

Stonewool is a natural inorganic fibrous material, widely recognized for its thermal and sound insulating properties, as well as its excellent performance towards fire protection.





In TUNE with YOUR needs

**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](mailto: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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