

artnovion

Passion for Acoustics.

An interior design product with outstanding acoustic performance.

Siena K Broad & Siena K

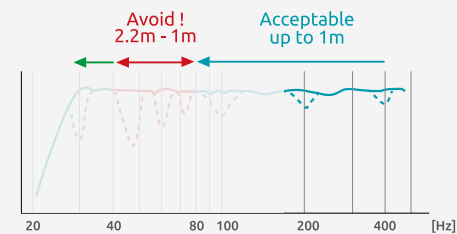
For HI-FI & Living Room,
Architecture & Engineering market



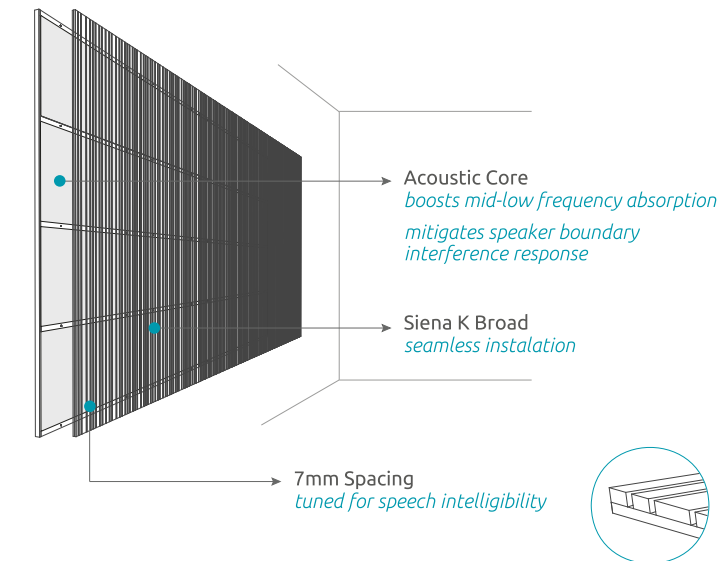


Siena K Broad,

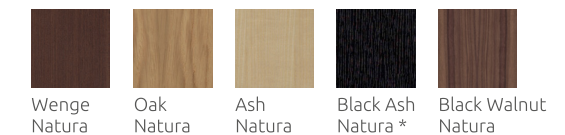
At low frequencies, loudspeakers become omnidirectional, radiating sound equally in all directions, including backwards towards the wall. This reflected sound wave interferes with the forward-going wave, causing destructive interference and dips in the frequency response. This results in an uneven bass response, which can negatively impact your listening experience. This modular acoustic core combined with the 7mm spacing between the slatted front increases sound absorption in these problematic low frequencies, allowing for greater flexibility in speaker placement without compromising sound quality. Furthermore, Siena K Broad combines targeted absorption of mid-low frequencies with a slat arrangement based on the pattern a one-dimensional binary reflection amplitude grating, this design disrupts predictable sound diffraction patterns, leading to an even distribution of reflected sound energy across different frequencies and angles. This translates to a more balanced and consistent listening experience throughout the space.



Siena K Broad Diagram

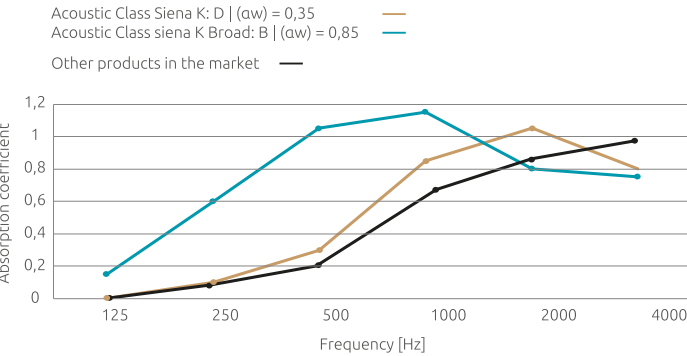


Natural Wood Finishes

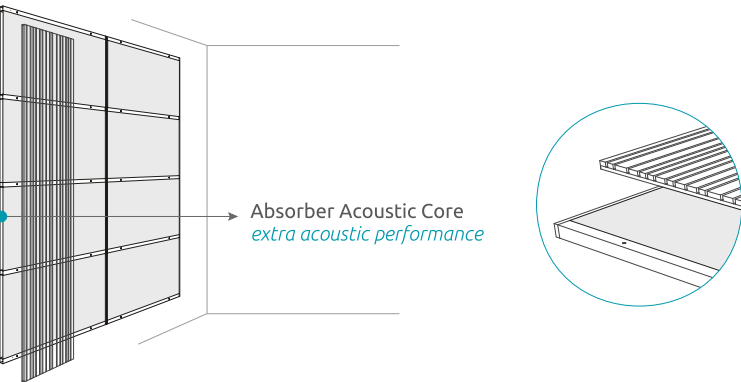


*Only available on Siena K Broad

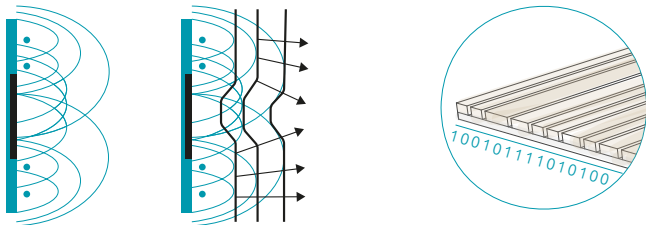
Acoustic Performance



The modular core specifically absorbs mid-low frequencies, resulting in a more immersive audio experience by improving your speaker response.

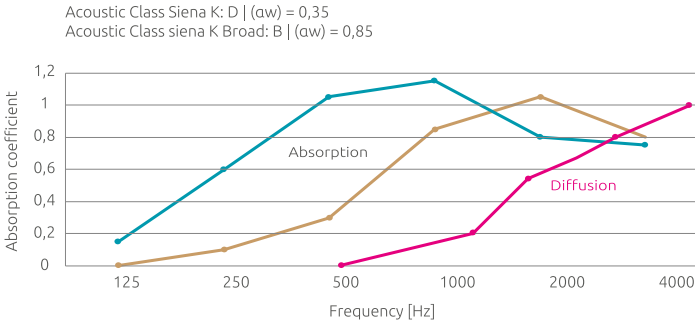


One-dimensional Binary Reflection Amplitude Grating



Above 2KHz

The pattern of wooden slats, along with the 7mm spacing, scatters the incoming sound waves, thereby distributing the reflected sound energy across time.



Siena K,

Designed with a precise 7mm spacing between slats and an acoustic PET layer, Siena K not only offers a visually appealing aesthetic but also plays a crucial role in elevating your audio experience. By specifically absorbing mid and high frequencies, it improves speech intelligibility, making conversations clearer and more enjoyable. Additionally, the wooden slatted front incorporates slats of various widths, determined by a unique algorithm developed by Artnovion. This unique design diffuses sound waves, ensuring an even distribution of reflected sound energy across different frequencies and angles. This translates to a healthier environment throughout the working space.

Impulso App

A unique acoustic measurement App



Impulso is designed to assist audio enthusiasts and engineers to tune their rooms and select the best acoustic treatment. With a user-friendly layout, the room measurement is carried out in a few steps via the Apps intuitive interface.

Real-time acoustic simulation.



Co-Financed by:



Project Support

Assisting professionals every step of the way



Project Support is a tool designed to assist professionals. Based on the exact characteristics of each space, we provide the best acoustic treatment solution with breathtaking designs.

In good company



CEDIA
MEMBER



Artnovion is featured in the CEDIA Designer, the world's finest home theatre design software.



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