



artnovion



Acoustic Treatment Packages

121 Brunswick Street

Fortitude Valley

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THE IDEAL RESULT FOR ANY ROOM..

The correct room acoustics will be perceived as being comfortable, well balanced, suitably furnished for its purpose. The room should have a clear and distinct sound reproduction and deliver an experience not fatiguing or strident in any way.



A BRIEF OVERVIEW.

Our perception of sound is a result of the interaction of multiple sound waves that reflect over the environment, and interaction between sound waves themselves.

When we hear a sound in a room, the first wave that reaches you is called the direct wave. As the name indicates, this wave has not interacted with the room, as it is directly from the emission source such as a loudspeaker. Next, you will hear the first reflections, that normally only reflect once. We call this a first order reflection. Then, we perceive other reflections that are the result of numerous reflections from multiple surfaces. These reflection can be 2nd, 3rd or 4th orders, depending on the damping materials of the room such as curtains, rugs etc.

The air velocity of sound is 344 m/s. The reflected waves travel a longer path, taking longer to reach the listener. This can create an echo effect, in which we perceive two distinct sounds, caused by a time distinction of over 80ms. This is what we want to resolve.

Reverberation time is our indicator of sound to decay in the room. By definition, it's the necessary time for sound energy to decrease by a measurement of 60dB [lots].

The acoustic quality of a space is dependant of various factors: It can be related to the similarity and non-similarity of the sound field, and the quantity of energy in the room. These factors are engineered in accordance with the purpose of the room.

We have many ways of improving acoustics. Absorption, is where we remove energy from the room, reducing or eliminating reflections, or through diffusion, where we scatter incoming waves, distributing their energy over a larger area.



Helen Absorber Package [8 panels]



Helen Absorber Mobile Kits [2 towers of 3 panels]

Grigio

Nero

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Nero

Loki Absorber Behind The Screen Package [8 panels]

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Sparta Suede Fabric Finish Absorber Package [8 panels]

Grigio

Nero

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Sparta Fabric Weave Finish Absorber Package [8 panels]

Smoke

Licorice

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Sienna Bass Trap Mobile Kits [2 towers of 3 panels]

Marron

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Atlantis Flow Package [8 panels]

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AS SEEN ON
THE BLOCK
9

Avalon Flow Package [10 panels]



Birch /
Grigio



Acoustic Treatment Packages

We can tailor a package solution for all room types.