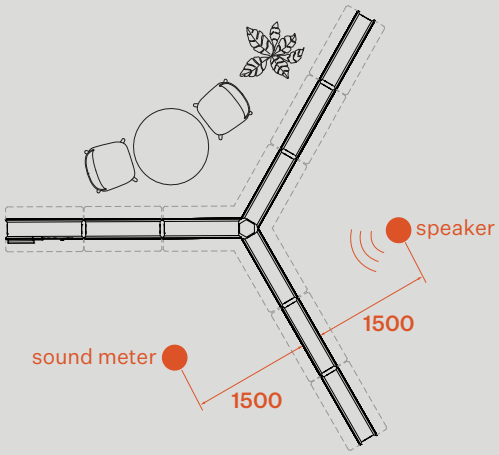
# Acoustic Performance

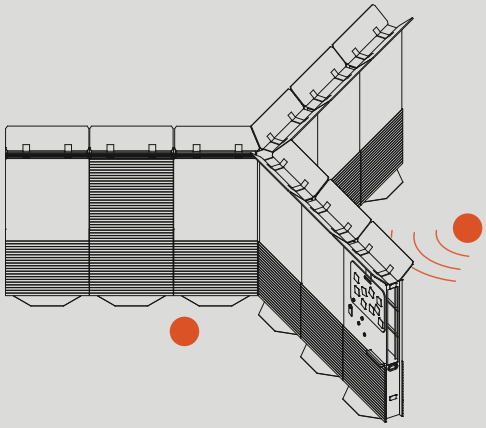
## Test Process and Enviroment

Acoustic tests were conducted to assess the Agile Wall's ability to attenuate noise between adjacent spaces within a work environment.

Using the Agile Wall RADIAL setting, transmitting and receiving devices were positioned 1500mm away from each wall and 1200mm above the ground, mimicking the typical height of a seated person.

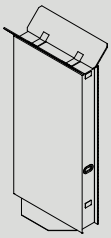
**Testing Environment**
Datacom office Asteron House
Flooring:
Milliken Karona 3 carpet tile NRC 0.25
Ceiling:
Autex Cube ceiling tile NRC 0.7
Ceiling tile est. NRC 0.7



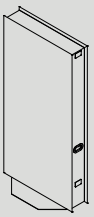



## Agile Wall Assemblies

## Average Noise Reduction

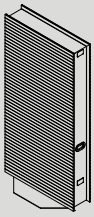


Acoustic + Whiteboard + Acoustic Wings — **18.4 dB**

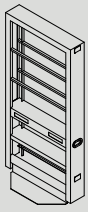


Acoustic + Whiteboard — **16.2 dB**

Whiteboard + Whiteboard — **11.4 dB**

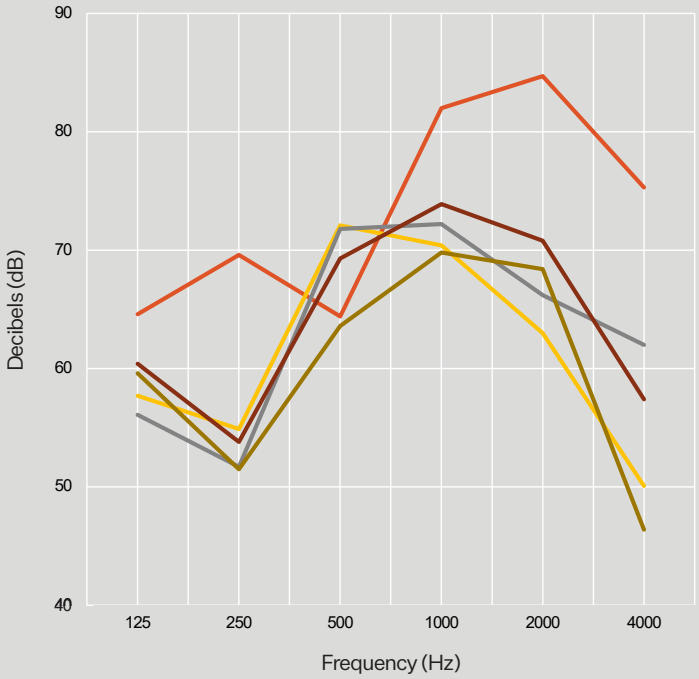


Acoustic + Acoustic — **13.9 dB**



Open Frame — **0 dB**

## Frequency Response




## Performance Results*

Sound attenuation is evaluated across the audible frequency spectrum, spanning from 125 Hz to 4000 Hz. Various assemblies of the Agile Wall are tested to assess their efficiency in attenuating sound. Additionally, general noise reduction, including white noise, is measured for each assembly, with decibel reduction readings illustrated to in the chart to the left.

The result show that it is reasonable to expect a 10 - 18dB sound reduction when dividing space using the A.WORKS Agile Wall. The most performative assembly is a mix of acoustic and whiteboard panels with acoustic wings on top.

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*this test was conducted in a real world environment and is indicative of performance but result will vary depending on the environment used.