

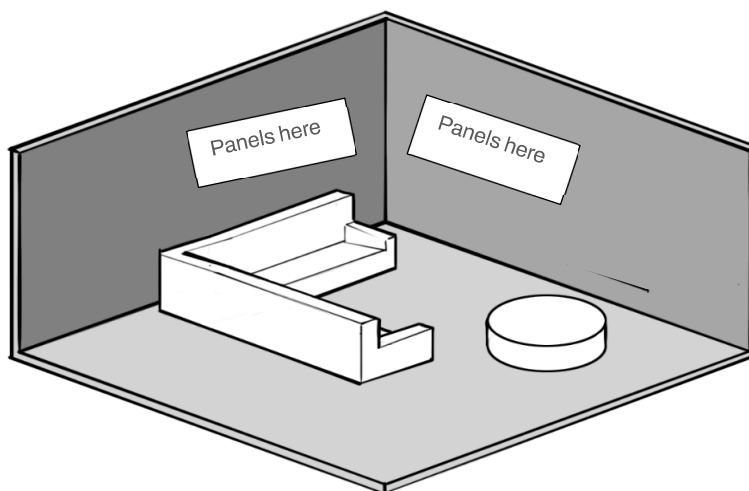
Best Practise

Echo Solutions has endeavored to conduct as much of the science as possible, however, there are little tips and tricks that can maximise the effectiveness of your acoustic panels.

Every space, and environment is different. Every environment has its own unique character. Below is a summary of a few basics to consider when installing your acoustic panels to minimise reverberation/echo reduction, and maximise the performance of your panels.

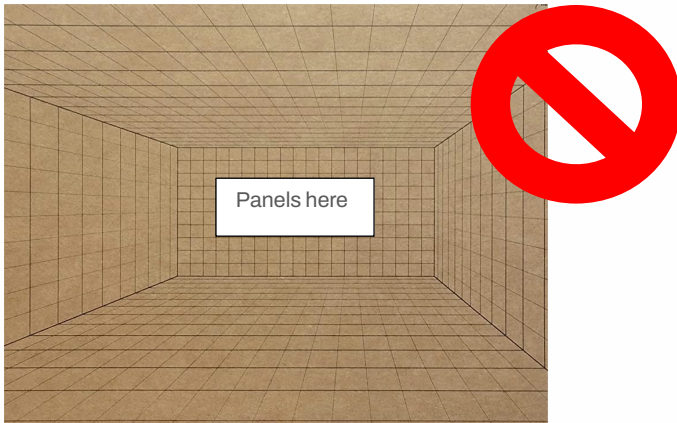
Items to consider:

- Place acoustic panels at the first place on the wall where sound waves tend to hit before reaching the listeners ears.
- Place the panels symmetrically. Using the wall length and any sub-patterns (lights, grids, doors) dictate the best spacing.
- Spread the acoustic panels out to improve the efficiency of the acoustic treatment.
- Adjacent walls maximise performances.



Items to avoid:

- Don't put acoustic panels too close to the ground, where they will be less effective and likely to get bumped and or dirty.
- Don't place the panels too high, where sound will take longer to reach them.
- Don't place all panels directly together in the same area. This will reduce the effectiveness of the panels.
- Don't leave two parallel walls untreated. This allows standing waves and flutter echo, even in relatively small rooms.



- Don't place the panels too far away from the source of sound/noise, aim to minimise the time it takes to reach the panels.
- Don't hide the treatment. If the panels are hidden under chairs or tables, its effectiveness is greatly reduced.