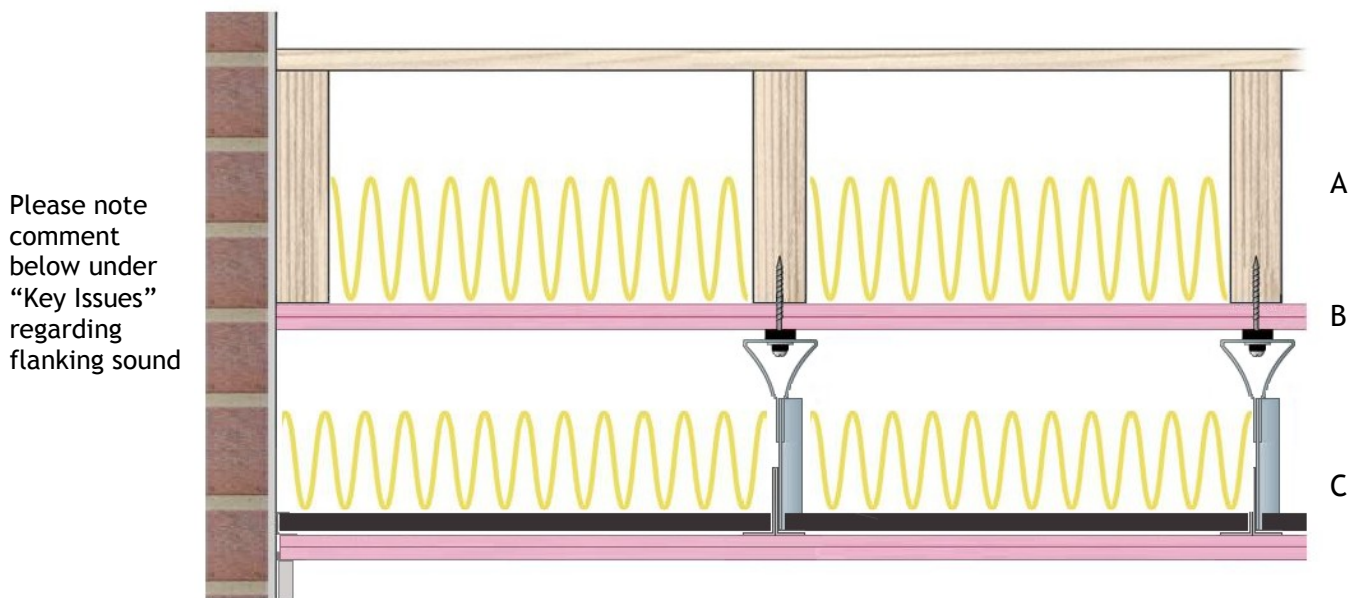


Material Change of Use - Floors and Ceilings

Problem - Acoustic solution required where there is no access to flat above
Solution - InstaCoustic high performance acoustic ceiling system

- A. Existing timber floor above
- B. Existing lath & plaster or 2 x 12.5mm fire line plasterboard ceiling with 100mm insulation between joists
- C. InstaCoustic AC90/25FP metal ceiling system incorporating 25 kg/m³ sound barrier pads, acoustic hangers and IN10 acoustic insulation with 100mm (min) void

AC90/25FP Acoustic ceiling System



Field Sound Test Report - F84

Results	Achieved On Site	ADE Regulations
Airborne	48 dB $D_nT_w + C_{tr}$	43 dB $D_nT_w + C_{tr}$
Impact	36 dB L_nT_w	64 dB L_nT_w

Key Issues

- Stagger the joints of plasterboard on ceiling
- Acoustic Ceiling to be fitted before the wall linings to improve performance
- If dot & dab is used, the centres of the dabs must be in accordance with the regulations
- Light weight wall constructions can cause flanking sound transmission which may bypass the floor solution. Please seek advice from the InstaCoustic Technical Team regarding suitable solutions