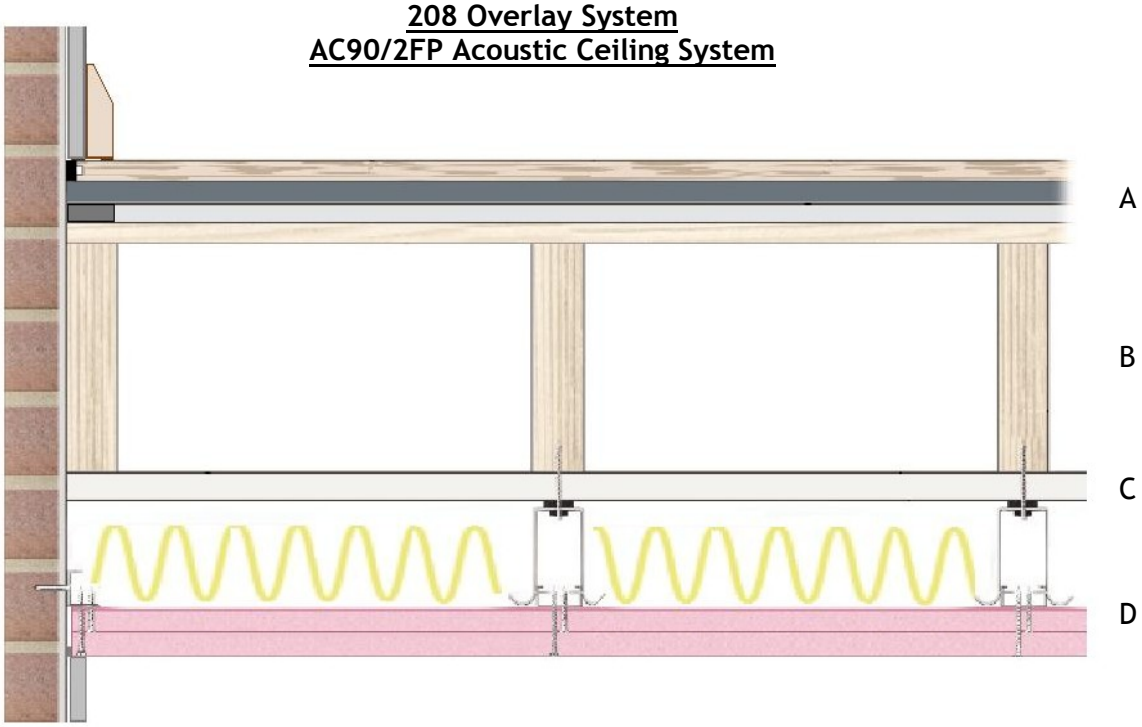
Material Change of Use - Floors and Ceilings

Problem - Conversion of house into flats (Existing lath & plaster ceiling)
Solution - InstaCoustic combination floor and ceiling system

A. InstaCoustic 208 Acoustic Overlay System
B. Existing timber joists with square edge / t&g floor boards
C. Existing Lath & Plaster ceiling
D. InstaCoustic AC90/2FP metal ceiling system incorporating acoustic hangers and IN10 acoustic insulation with 100mm (min) void

208 Overlay System
AC90/2FP Acoustic Ceiling System

Please note comment below under "Key Issues" regarding flanking sound



Field Sound Test Report - F2

Results	*Achieved On Site*	*ADE Regulations*
Airborne	48 dB $D_nT_w + C_{tr}$	43 dB $D_nT_w + C_{tr}$
Impact	47 dB L_nT_w	64 dB L_nT_w

Key Issues

- 208 acoustic floor system must be isolated from the wall linings and the skirting to avoid flanking sound
- Ensure all perimeter edges are sealed including pipes/services that penetrate the floor
- Replace or repair all damaged boards
- Make sure that all existing floor boards are secured before fitting acoustic floor
- 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

InstaCoustic LABC Help Desk: 07824 861717
Email - labc.solutions@instacoustic.co.uk