

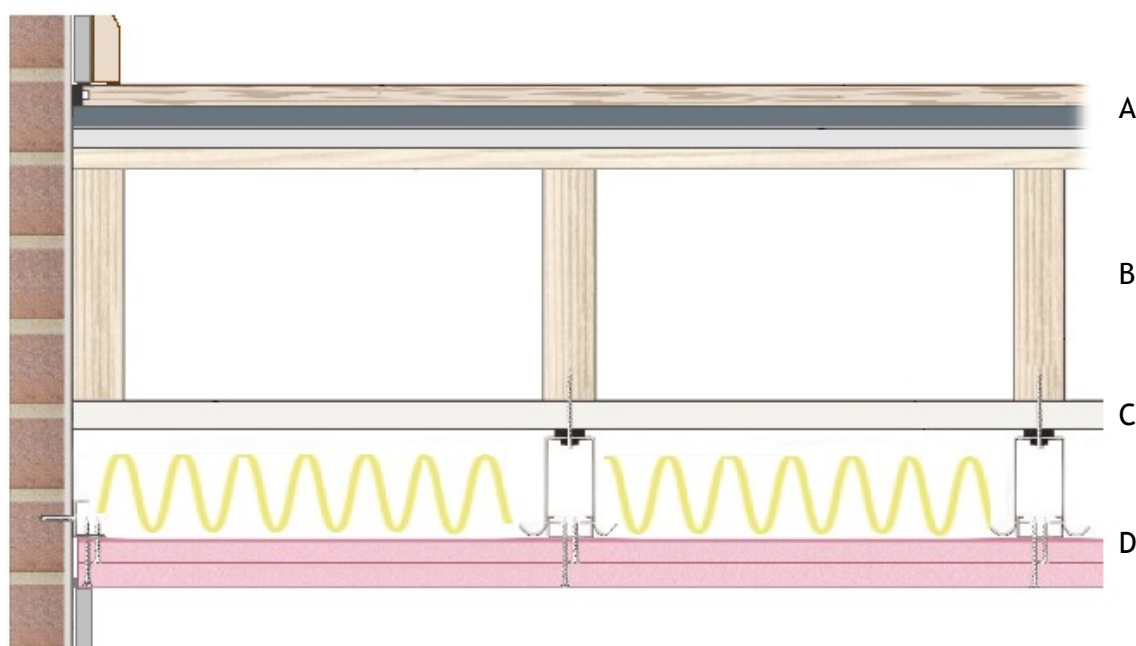
## Material Change of Use - Floors and Ceilings

Problem - Conversion of house into flats (No 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. No existing lath & plaster ceiling / replaced with 1 x 12.5mm plasterboard
- 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 - F62

Results	Achieved On Site	ADE Regulations
Airborne	54 dB $D_nT_w + C_{tr}$	43 dB $D_nT_w + C_{tr}$
Impact	45 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