

Flanking Walls

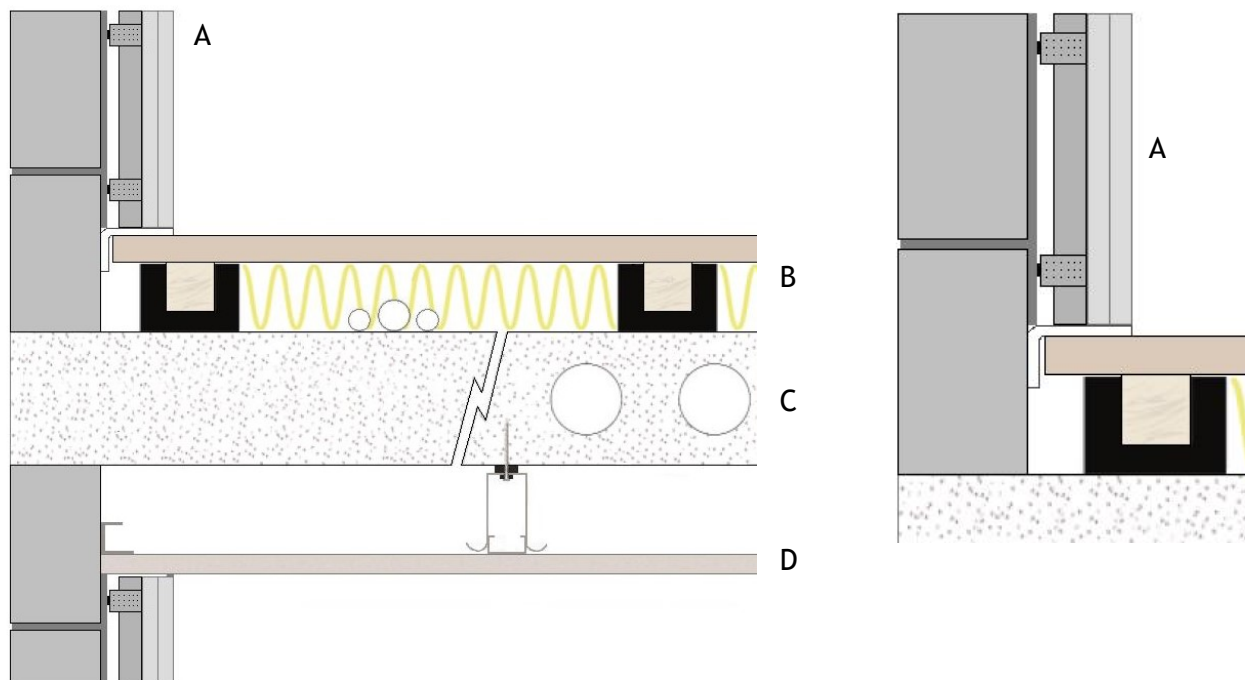
Concrete structural floor - Potential flanking problem from low density masonry walls
Solution - InstaCoustic AF28 anti-flanking wall

Approved Document E (ADE) Solution (solid masonry core, lightweight block): Wall Type 3.2 and 3.3

- A. InstaCoustic AF28 anti-flanking wall system (Plasterboard layers must total mass per unit area of 20kg/m²).
- B. InstaCoustic C40 / C60 cradle & batten floor system.
- C. Concrete structural floor.

AF28 Anti-flanking Wall System

The InstaCoustic AF28 anti-flanking wall can be used with different types of acoustic floor and ceiling systems. This wall system significantly reduces the amount of flanking sound travelling down the wall structure. Please contact InstaCoustic for the correct specification of acoustic floor and ceiling for your project.



Field Sound Test Report - F147

| Results | Before Test | After Test | Improvement |
|----------|---|---|--|
| Airborne | 39 dB D _n T _w + C _{tr} | 46 dB D _n T _w + C _{tr} | 7 dB D _n T _w + C _{tr} |

Key Issues

- Ensure that the AF28 anti-flanking wall is installed on isolation strips to isolate it from the structure.
- Plasterboard layers must total a minimum of mass per unit area 20kg/m².
- Seal masonry wall with render coat before the installation of the anti-flanking wall.
- Ensure all acoustic hangers are fitted with isolation grommets and washers.
- Ensure all acoustic hangers are fixed at the correct centres.
- Ceiling to be fitted before the anti-flanking wall to improve performance.
- Electrical sockets to be fitted into the anti-flanking wall with plasterboard boxes.