

## Flanking Walls

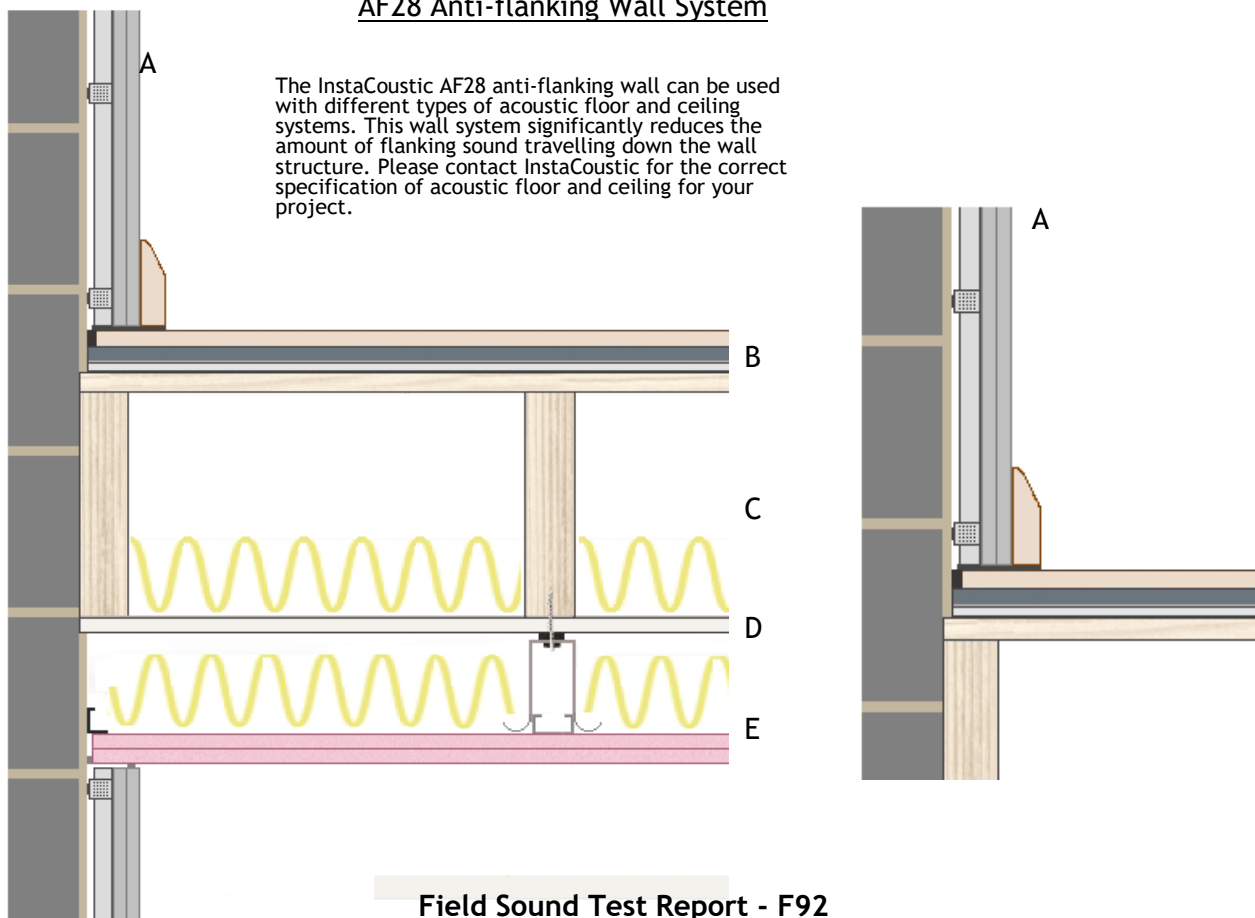
Timber structural floors / potential flanking problem from lightweight masonry walls

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
- B. InstaCoustic 208 floor system
- C. Timber structural floor with chipboard / plywood deck with 100mm insulation quilt
- D. Close and seal joist void with 12.5mm Plasterboard
- E. InstaCoustic AC90/2FP metal ceiling system incorporating acoustic hangers with IN10 acoustic insulation and 90mm (min) void

### AF28 Anti-flanking Wall System



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 InstaCoustic isolation strips to isolate it from the structure (See Registered Acoustic Solution EINS/0110/00019)
- 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