

Flanking Walls

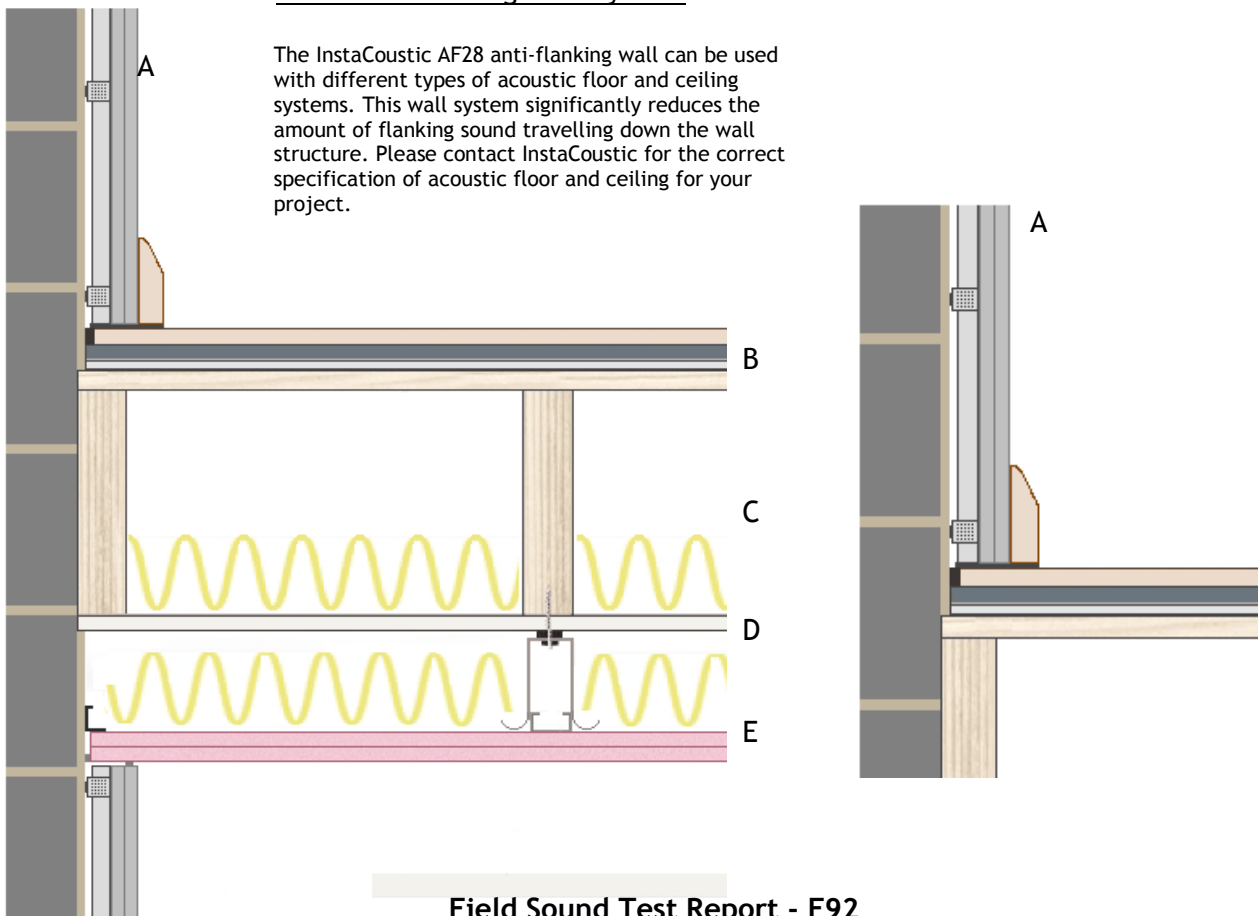
Problem - Timber structural floors / potential flanking problem from lightweight masonry walls

Solution - InstaCoustic AF28 anti-flanking wall

- 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

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 - F92

Results	Before Test	After Test	Improvement
Airborne	39 dB $D_nT_w + C_{tr}$	46 dB $D_nT_w + C_{tr}$	7 dB $D_nT_w + C_{tr}$

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