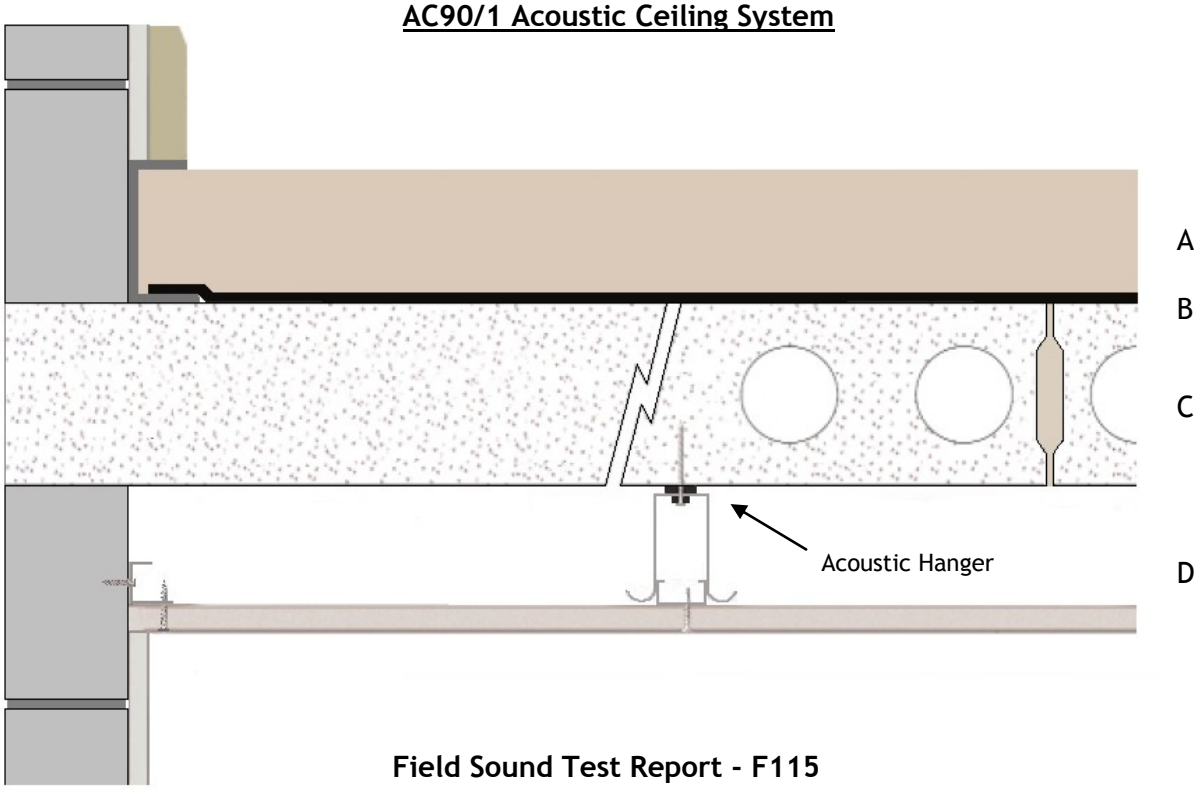
New Build - Concrete with Screed

Problem - Acoustic treatment for concrete structural floor
Solution - Screed isolated on InstaCoustic recycled rubber resilient layer with metal framed ceiling system

A. 65mm (min) sand cement or proprietary screed of nominal 80 kg/m^2 mass per unit area
B. InstaLay65 Resilient layer with InstaLay Edge Strip
C. 150mm (min) precast concrete floor plank - 300 kg/m^2 (min) mass per unit area
D. InstaCoustic AC90/1 Metal ceiling system incorporating acoustic hangers with 100mm (min) void

InstaLay65 Resilient Layer
AC90/1 Acoustic Ceiling System



Field Sound Test Report - F115

Results	*Achieved On Site*	*ADE Regulations*
Airborne	55 dB $D_nT_w + C_{tr}$	45 dB $D_nT_w + C_{tr}$
Impact	47 dB L_nT_w	62 dB L_nT_w

Key Issues

- Ensure that the perimeter flanking strip has been fitted correctly preventing points of contact between the screed and the perimeter walls
- Screed must be isolated from the wall linings and the skirting to avoid flanking sound
- If service pipes are running within the screed no fixings must penetrate through the resilient layer
- To reduce the risk of flanking problems avoid block densities lower than 1600 kg/m^3 in the wall structure
- Ceiling to be fitted before the dry-lining on the walls to improve performance
- If dot & dab is used, the centres of the dabs must be in accordance with the regulations

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