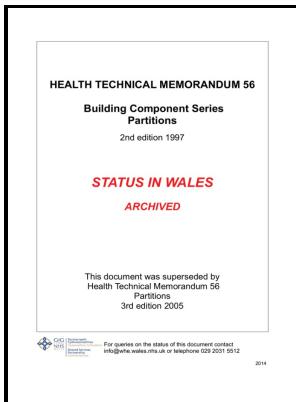


# Acoustics (Health Technical Memorandum)

## Stationery Office Books - Sustainable Acoustics: 5.2 Performance Standards



Description: -

- Slavery & emancipation
- Occupational / industrial health & safety
- Dynamics & vibration
- Acoustics (Health Technical Memorandum)

Notes: -

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### Architectural Acoustic Design

BB93 recommends that the requirement for testing is included, by the client, in the building contract. Where testing identifies that spaces do not meet the standards, remedial works are carried out prior to handover and occupation. A typical value of flanking sound would be in the range of 4 to 6 dB.

### Sustainable Acoustics: 5.2 Performance Standards

Where walls or floors separate different uses the most onerous acoustic requirement relating to either use should be applied. Criteria All music accommodation or multi-purpose halls in primary schools with no music accommodation is to meet the performance levels set within BB93.

### Healthy acoustics

Subsequently, where an assessed school in Northern Ireland has cited the note and applied the relaxation of BB93 requirements, they are not prevented from achieving the available BREEAM credits provided, in all other respects, the building complies with BB93 and the above BREEAM requirements. Acoustically-absorbent materials should have a minimum absorption area equivalent to a Class C absorber as defined in BS EN ISO 11654:1997 covering at least 80% of the area of the floor, in addition to the absorption that may be provided by the building materials normally used. A guide to Part E of the Building Regulations.

### Healthcare Acoustic Design

This will be in addition to an assessment of noise levels generated by mechanical and electrical services equipment. If at the time of acoustic commissioning it is not possible to measure ambient noise levels in the absence of construction or other extraneous noise sources that will not be present when the building is complete, then, for mechanical services the lower level of 35 dB, LAeq or the lowest design limit for the acoustically sensitive space should be used. Credits First credit Testing Requirement A programme of pre-completion acoustic testing is carried out by a compliant test body to ensure that the relevant spaces as built achieve the required performance standards.

### Health and Wellbeing

Otherwise, measurements should be made in rooms on the noisiest façade. Room function As required by relevant standard.

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