



Acoustic Insulation Standards & Regulations



Building Regulations

Sound is considered in the applicable Building Regulations for Wales, Scotland, England and Northern Ireland. The individual documents that address Noise in buildings are;

England

Approved Document E: Resistance to the Passage of Sound

Northern Ireland

Technical Booklet G: Resistance to the Passage of Sound

Wales

Approved Document E: Resistance to the Passage of Sound

Scotland

Technical Handbook: Section 5 Noise (both Domestic & Non-Domestic)

Standards

BS 8233: Guidance on sound insulation and noise reduction for buildings

BS 8233 provides guidance for the control of noise in and around buildings. It applies to the design of new buildings, or refurbished buildings undergoing a change of use, but does not provide guidance on assessing the effects of changes in the external noise levels to occupants of an existing building.

BS EN 12354: Building acoustics. Estimation of acoustic performance in buildings from the performance of elements.

BS EN ISO 10140: Acoustics. Laboratory measurements of sound insulation of building elements.

BS EN ISO 717: Acoustics. Rating of sound insulation in buildings and of building elements.

BS EN 12758: Glass in building. Glazing and airborne sound insulation. Product descriptions and determination of properties.

BS EN ISO 15186: Acoustics. Measurement of sound insulation in buildings and of building elements using sound intensity.

Building Bulletin 93: Acoustic design of schools: performance standards

BB 93 outlines the latest guidance on specification requirements for acoustics, lighting and ventilation in school buildings.

Planning Policy Guidance 24: Planning and Noise

PPG 24 guides local authorities in England on the use of their planning powers to minimise the adverse impact of noise. It outlines the considerations to be taken into account in determining planning applications both for noise-sensitive developments and for those activities which generate noise.