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# ACOUSTIC DESIGN OF SCHOOLS

Under Approved Document E 'Resistance to the Passage of Sound' 2003, which forms part of the Building Regulations, each room or space in a school building should be designed and constructed in such a way that it has the acoustic conditions and the insulation against disturbance by noise appropriate to its use. Further guidance on this requirement is contained in Building Bulletin 93 'Acoustic Design of Schools' (BB 93).



The aim of BB 93 is to provide a comprehensive guide on the acoustic design of new school buildings for building control bodies, architects, building services engineers, clients and other key stakeholders. Naturally, BB 93 is a complex document which sets standards for, amongst other things, ambient noise levels within schools, reverberation times within teaching spaces and the sound insulation of separating walls and floors.

Environmental Noise Solutions Limited has considerable experience in the education sector and provides the following range of services with respect to the acoustic design of new school buildings:

- BB93 submissions to building control authorities covering:
  - Environmental noise surveys
  - Design of the building envelope
  - Assessment of ventilation requirements
  - Sound insulation of separating walls and floors
  - Control of flanking noise
  - Control of reverberation in teaching spaces and communal spaces
  - Control of rainfall impact noise
  - Control of ventilation system noise
  - Acoustic design of high performance areas such as music rooms
- Attendance at design team meetings, site inspections, etc.
- Commissioning surveys
- Certification of full compliance with ADE 2003 and BB 93

If you require further information about our services to the education sector, please contact ENS at the following address.

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