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(HEA2) Sound Insulation



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Technical Guide November 2010 Criteria

- 4 available credits
- Credits worth 1.17% points each
- Mandatory Element: No

Aim: To promote the provision of improved sound insulation to reduce the likelihood of noise complaints from neighbours.

Assessment Criteria:

Criteria

Where:

- airborne sound insulation values are at least 3dB higher
- impact sound insulation values are at least 3dB lower

OR

- airborne sound insulation values are at least 5dB higher
- impact sound insulation values are at least 5dB lower

OR

- airborne sound insulation values are at least 8dB higher
- impact sound insulation values are at least 8dB lower

Technical Guide May 2009 Criteria

- 4 available credits
- Credits worth 1.17% points each
- Mandatory Element: No

Aim: To ensure the provision of improved sound insulation to reduce the likelihood of noise complaints from neighbours.

Assessment Criteria: Credits are awarded for achieving higher standards of sound insulation than those given in Approved Document E of the building regulations and demonstrating it.

Criteria

Where:

- airborne sound insulation values are at least 3dB higher
- impact sound insulation values are at least 3dB lower

OR

- airborne sound insulation values are at least 5dB higher
- impact sound insulation values are at least 5dB lower

OR

- airborne sound insulation values are at least 8dB higher
- impact sound insulation values are at least 8dB lower

Than the performance standards set out in the Building regulations approved for England and Wales, Approved Document E (2003 Edition, with amendments 2004).

This can be demonstrated through **EITHER**

A programme of pre-completion testing based on the *Normal programme of testing* described in Approved Document E, for every group or sub-group of houses or flats, demonstrating that the above standard or standards are achieved.

OR

Use of constructions for all relevant building elements that have been assessed and approved by Robust Details Limited (RDL), and found to achieve the performance standards stated above, and all relevant dwellings are registered with RDL.

References for HEA2

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- Mandatory Element: No

Aim: To ensure the provision of improved sound insulation to reduce the likelihood of noise complaints from neighbours.

Assessment Criteria: Credits are awarded for achieving higher standards of sound insulation than those given in Approved Document E of the building regulations and demonstrating it.

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{mooblock=References for HEA2}

[Association of Noise Consultants \(ANC\)](#)

[Institute of Acoustics](#)

[Robust Details Limited](#)

[The United Kingdom Accreditation Service \(UKAS\)](#)

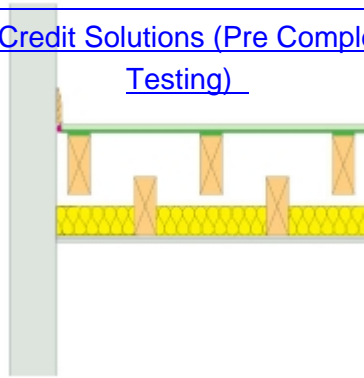
[British Standards Institution, Sound insulation and noise reduction for buildings – Code of practice BS 8233 London 1999](#)

[Department for Communities and Local Government. Building Regulations Approved Document E – Resistance to the passage of sound \(2003 edition incorporating 2004 amendments\)](#)

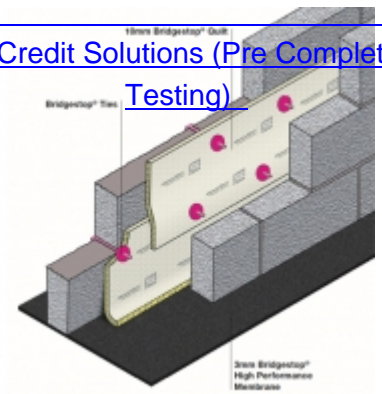
[1 Credit Solutions \(Pre Completion Testing\)](#)



[3 Credit Solutions \(Pre Completion Testing\)](#)



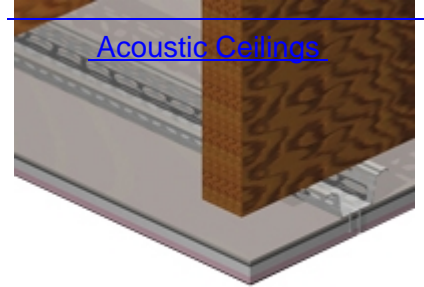
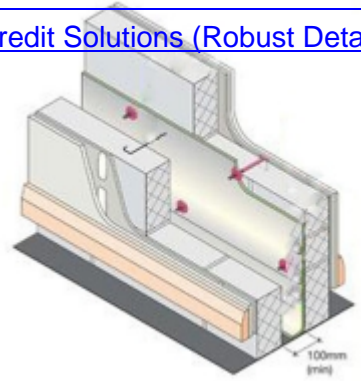
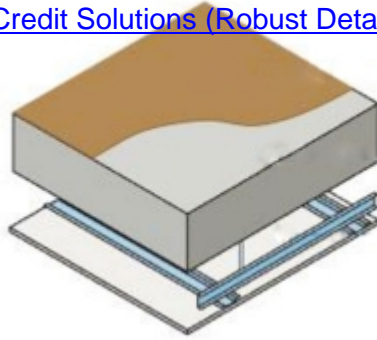
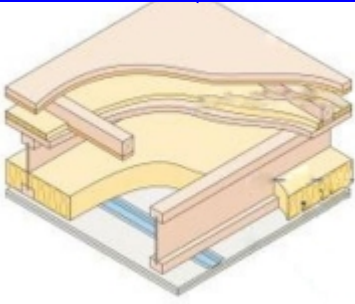
[4 Credit Solutions \(Pre Completion Testing\)](#)



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