

TECHNICAL INFORMATION

How to satisfy the Building Regulation requirements for sound transmission through intermediate party floors.

The Building Regulations require that certain types of property must be designed to provide reasonable resistance to sound from other parts of the same building and from adjoining buildings.

The minimum performance requirements of the Regulations for floors are:

Building Regulations England and Wales

	Airborne Sound Insulation Dntw + Ctr (db)	Impact Sound Insulation LnTw (db)
New Build	45 (min)	62 (max)
Change of Use	43 (min)	64 (max)

Building Regulation Scotland

	Airborne Sound Insulation Dntw (db)	Impact Sound Insulation LnTw (db)
New Build (mean values)	52 (min)	61 (max)
Change of Use (mean values)	52 (min)	61 (max)

Approaches to Design

There are essentially three approaches which may be followed when designing floor and ceiling constructions.

- 1) Follow the guidance/specified constructions set out in Approved Document E 2003 (England and Wales) and in section 5 of the Technical Handbooks (Scotland). Please note that a significant erratum has been issued in relation to the Scottish Technical Handbook specifically concerning acoustic flooring.
- 2) Design your own construction.
- 3) Register and construct a design operated by Robust Details Ltd. (England and Wales).

Pre Completion acoustic testing will be required for a number of these approaches.
The site testing regime is as follows:

Design Approach	Testing Requirements England and Wales	Testing Requirements Scotland
Guidance / Specified Construction	Compulsory testing	Test at discretion of Building Control
Own Design	Compulsory testing	Compulsory testing
Robust Detail	Exempt from testing	Test at discretion of Building Control

Information about Robust Details can be found at www.robustdetails.com

How can Danskin help?

The aim of J Danskin & Co Ltd is to correctly interpret our customer's requirements and, where possible, make available appropriate evidence that our floating floors are suitable for use within the relevant design. Danskin products have been subjected to numerous laboratory and site tests over four decades and many achieve market leading performance. This evidence can be made available in support of many different constructions. The product selector should be used to identify the product which is most suitable and the specification questionnaire can be completed and returned to Danskin to enable an appropriate floating floor specification to be provided.