

Dimensions and Weight

Reduc	Installed Thickness mm	Overall Board Dimensions Excluding Lap Joint	Laid Area per Board Allowing for Lap Joint	Weight	
				Per m ²	Per Board
Micro 17	17	1175mm x 575mm	0.675m ²	9.1kg	6.5kg

Building Regulation Requirements

Building Regulations Approved Document E (England and Wales) and Building (Scotland) Regulations Section 5 call for the following standards to be achieved for all timber and concrete floors:

Building Regulations Approved Document E (England and Wales) 2003	Airborne Sound		Impact Sound
	Site Test Result D _{nT,w} + C _{tr} dB	LabTest Result R _w dB	Site Test Result L' _{nT,w} dB
Separating Floors - Conversions	43 or greater	n/a	64 or less
Separating Floors - New Build	45 or greater	n/a	62 or less
Internal Floors - Conversions and New Build	n/a	40 or greater	n/a

Building (Scotland) Regulations 2004 Section 5	Airborne Sound	Impact Sound
	D _{nT,w} dB	L' _{nT,w} dB
New Build and Conversions	52 or greater	61 or less

Acoustic Performance

Detailed below are acoustic test results for a typical timber and Type 1 concrete floor construction. Performance data for other floor constructions together with more detailed technical advice is available on request.

Typical Floor Construction	Airborne Sound			Impact Sound
	Site Test Result D _{nT,w} dB	Site Test Result D _{nT,w} + C _{tr} dB	LabTest Result R _w dB	Site Test Result L' _{nT,w} dB
Reduc Micro 17 overlaid onto 18mm chipboard with 100mm SoundSlab fitted between 50mm x 225mm timber joists at 400mm centres and 2 layers of 12.5mm plasterboard to the underside to form the ceiling	51	43	*57	58
As above incorporating SoundBreaker Bars to de-couple the ceiling below	57	50	*63	50
Reduc Micro 17 overlaid onto 22mm timber floorboards with 100mm SoundSlab between timber joists and 30mm lath and plaster ceiling in good condition or single layer plasterboard.	51	43	*57	58
Reduc Micro 17 on 365kg/m ² concrete floor with plaster skim ceiling provides a Weighted Improvement (ΔL _w) of 22dB compared with Building Regulations minimum requirement of 17dB.				

* The R_w figures quoted above apply to domestic applications only. Details for commercial applications are available on request.

Flanking Transmission

The performance figures quoted above are based on test results for timber and concrete floors and can only be expected if the building design and construction has followed good practice to ensure all potential flanking paths have been eliminated. In order for wall and floor constructions to be fully effective, extreme care should be taken to correctly detail the junctions between the separating wall or floor and the associated elements such as external walls and any penetrations. If junctions are incorrectly detailed, the acoustic performance will be limited and Building Regulation requirements may not be achieved in practice.

Packaging and Handling

Reduc Micro 17 boards are packed in non-returnable cardboard cartons on non-returnable pallets. Boards should be stored inside and under cover in a dry, well-ventilated area. Cartons should be laid flat and kept off the ground. Extreme care should be taken when handling to avoid damage.

Application and Fixing

- See separate sheet.

Availability

Reduc Micro 17, SoundSlab, SoundBreaker Bars, Reduc Joint Adhesive, Reduc Isolation tape and Reduc Acoustic Sealant are available through a national network of stockists, distributors and builders merchants. Further details available on request.

For Further Information

contact
Hodgson & Hodgson
Group Ltd

Crown Business Park
Old Dalby
Melton Mowbray
Leicestershire
LE14 3NQ
Tel: 01664 821810
Fax: 01664 821820

E-mail:
info@hodgsongroup.co.uk

Web Site:
www.acoustic.co.uk