



High performance acoustic building board

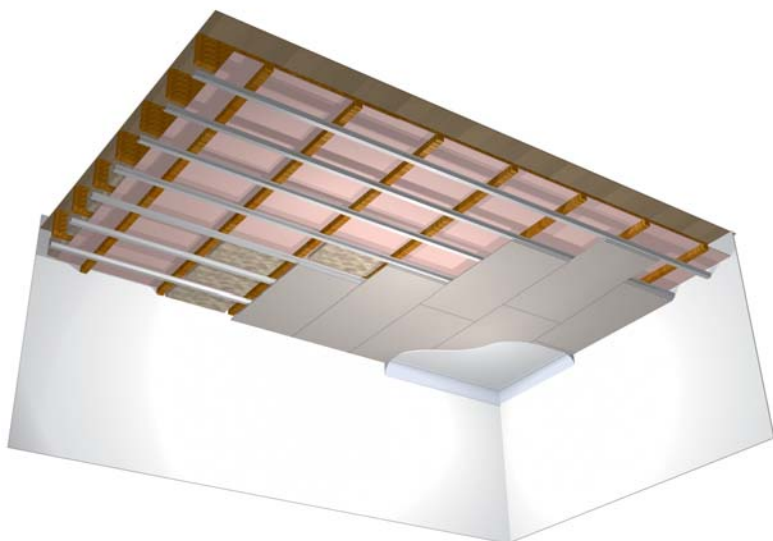
Maxi Dropped Ceiling Datasheet

- ✓ Improves impact & airborne sound insulation
- ✓ Meets Part E of the building regulations
- ✓ Takes screws and nails direct
- ✓ Minimal thickness
- ✓ Extremely durable

Installation

It is possible to achieve the Building Regulations Part E by installing a Maxiboard ceiling beneath an existing Lath and Plaster or Plasterboard ceiling. Softwood battens are fitted through the existing ceiling, to the joists at 600mm centres. SRS Resilient Bars are then fixed at 90° to the softwood battens, across the full width of ceiling. They are secured at the extremities of the ceiling and at 400mm centres in between, commencing from one edge. 50mm 45kg/m³ mineral fibre slabs are friction fitted between the battens, behind the resilient bars.

Maxiboard panels are fixed to the resilient bars using 3.9mm x 30mm SRS Maxi screws. Fixing must be to the resilient bar alone and not through into the timber battens. The Maxiboards are secured in a staggered half panel overlap. The shiplap edge is removed where the Maxiboard abuts other surfaces, and SRS Acoustic Sealant is applied to all cut edges. There are to be three screws along each short edge of the Maxiboard panel, positioned 20mm from the edges and at the midpoint. A bead of SRS Gripfix is applied to each panel's shiplap edge prior to installation.



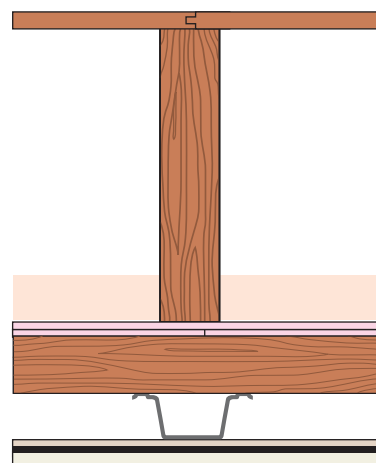
Building Regulations Part E – Resistance to the Passage of Sound

Dwelling-houses and flats - performance standards for separating floors, and stairs that have a separating function.

	Airborne sound insulation $D_{nT,w} + C_{tr}$ dB (Minimum Values)	Impact sound insulation $L'_{nT,w}$ dB (Maximum Values)
Purpose built dwelling-houses or flats		
Floors and Stairs	45	62
Dwelling-houses or flats formed by material change of use		
Floors and Stairs	43	64

Rooms for residential purposes - performance standards for separating floors, and stairs that have a separating function.

	Airborne sound insulation $D_{nT,w} + C_{tr}$ dB (Minimum Values)	Impact sound insulation $L'_{nT,w}$ dB (Maximum Values)
Purpose built rooms for residential purposes		
Floors and Stairs	45	62
Rooms for residential purposes formed by material change of use		
Floors and Stairs	43	64



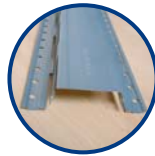
section through Maxi Dropped ceiling

Maxi Ceiling below existing plasterboard

	Airborne $D_{nT,w}$ (dB)	Airborne $D_{nT,w} + C_{tr}$ (dB)	Impact $L'_{nT,w}$ (dB)
Dropped Maxi 30	56	48	56

Fire performance: achieves 1/2 hour fire resistance to BE EN 1365-2 floor/roof (WARRES 124986).

Acoustic tests on Maxi ceiling carried out independently by Noise Control Services 11/11/05 in accordance with ISO 140 parts 4 and 7. Rated to ISO 717 parts 1 and 2. Test reference numbers: 11056/1, 11056/3.



Resilient Bars



SRS Gripfix



SRS Acoustic Sealant



SRS Maxi

Fire properties:

Fire propagation BS 476:Part 6: 1989 Class 0

Surface spread of flame:

BS 476:Part 7: 1997 Class 1

Maxiboard Dimensions:

Size = 1200 x 600mm (nominal)

Thickness = 17mm

Weight = 24kg/m²

Cutting:

Best cut using circular saw with dust extraction fitted. Can also be cut using a jigsaw or hand saw fixed with a heavy duty blade.

Storage: Maxiboard must be laid flat and kept dry. Maxiboard should only be stored on site if the building has been sealed and is completely dry.

Maxiboard Accessories

Resilient Bars = 3000 x 80 x 30mm

SRS Acoustic Sealant = 900ml tube

SRS Gripfix = 310ml tube

SRS Maxi screws = 3.9 x 30mm

Finishing & Plastering Maxiboard

We recommend that plasterboard be fitted over the Maxiboard and finished according to manufacturer's instructions.

SRS Ltd Acoustic Insulation Datasheets

Sound Reduction Systems Ltd are experts in all areas of sound insulation. For further information on our range of products and systems for reducing sound transmission in buildings and meeting the acoustic requirements of the Building Regulations Approved Document E, please see the following datasheets, which are easily obtained by calling **01204 380074** or downloading from **www.soundreduction.co.uk**.

Ceilings Datasheets:

- Maxi60 Ceiling System
- Maxiboard beneath concrete beam and block
- Maxiboard on a British Gypsum MF ceiling

Walls Datasheets:

- Maxi HP Partition System
- Maxiboard installed with new/existing stud
- Maxiboard installed on new/existing masonry

Floors Datasheets:

- Acoustilay
- Maxideck
- SubPrimo

Patents & Trademarks

'Maxiboard' and 'Acoustilay' are registered trade names of Sound Reduction Systems Ltd. Both are patented products.

Maxiboard Patent No: GB2375358

Acoustilay Patent No: GB2287086

Free, Friendly Advice

If you are unsure of which product or system you require, please contact our industry leading technical department on Tel: **01204 380074** or email **info@soundreduction.co.uk**.



sound reduction systems

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