



## High performance acoustic building board

### Existing Stud and/or Plasterboard Partition Datasheet

Maxiboard

- ✓ *Improves airborne sound insulation*
- ✓ *Meets Part E of the building regulations*
- ✓ *Takes screws and nails direct*
- ✓ *Minimal thickness*
- ✓ *Extremely durable*
- ✓ *Excellent Low Frequency Performance*

#### Installation

Should the plasterboard remain on the studwork it should be removed from one side of the partition and the area between the existing studs filled with a 50mm mineral fibre. SRS Resilient bars should then be placed at the top and bottom of the wall and then at 600mm centres from the bottom upwards.

The boards are fixed to the resilient bars using 3.9 x 30mm SRS Maxi screws. Maxiboard must be installed in a brick pattern, with staggered joints, and the utmost care should be taken to ensure there are no gaps. A bead of SRS Gripfix should be applied to the shiplap edge of the Maxiboards as they are placed together.

Where Maxiboard abuts a wall, floor or ceiling, the shiplap edge should be removed so the board sits flush to the adjunct. The edge should then be treated with a bead of SRS Acoustic Sealant to reduce sound transmission into the existing structure. Any further inconsistencies or gaps should be treated with a general purpose filler to ensure acoustic integrity.

If the plasterboard on the other side of the studwork is in good condition it can remain, with an extra layer of 12.5mm fire rated plasterboard fixed directly through the existing plasterboard, into the studwork.

If the existing boards are damaged, they should be replaced by two layers of 12.5mm fire rated plasterboard, with offset joints for best results.

For the Optimum acoustic performance any sockets or switches that need to be installed on the Maxiboard wall should be surface mounted, or flush fitted using SRS Acoustic Socket Boxes.

### Building Regulations Part E – Resistance to the Passage of Sound

#### Dwelling-houses and flats - performance standards for walls.

Airborne sound insulation  
 $D_{nT,w} + C_{tr}$  dB  
(Minimum Values)

#### Purpose built dwelling-houses or flats

Walls	45
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#### Dwelling-houses or flats formed by material change of use

Walls	43
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#### Rooms for residential purposes - performance standards for separating walls.

Airborne sound insulation  
 $D_{nT,w} + C_{tr}$  dB  
(Minimum Values)

#### Purpose built rooms for residential purposes

Walls	43
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#### Rooms for residential purposes formed by material change of use

Walls	43
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#### Laboratory values for new internal walls within: dwelling-houses, flats and rooms for residential purposes, whether purpose-built or formed by material change of use.

Airborne sound insulation  
 $R_w$  dB (Minimum Values)

Walls	40
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#### Maxiboard on resilient bars - existing partition

$D_{nT,w}$ (dB)	Airborne $D_{nT,w} + C_{tr}$ (dB)
54	45

Tests carried out by Noise Control Services 12/01/04. Measured according to BS EN ISO 140-4:1998. Rated to BS EN ISO 717:1 1997. Test reference nos. NCS 01044/1.



#### 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/m<sup>2</sup>

#### 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.

#### 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



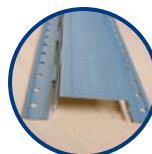
SRS Gripfix



SRS Acoustic Sealant



SRS Maxi Screws



Maxi Resilient Bar = 3m

#### Maxiboard Accessories

SRS Acoustic Sealant = 900ml tube

SRS Gripfix = 310ml tube

Resilient Bars = 3000mm x 120 x 30mm

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 their 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](http://www.soundreduction.co.uk).

#### Ceilings:

- Maxi 60 Ceiling System
- Maxiboard beneath existing plasterboard
- Maxiboard beneath concrete beam and block
- Maxiboard on a British Gypsum MF ceiling

#### Walls:

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

#### Floors:

- Acoustilay
- Maxideck
- SubPrimo

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](mailto:info@soundreduction.co.uk) for free, friendly advice.



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reduction  
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