



**High performance,
acoustic building
board**

Uniclass L384+L516:N372	EPIC E441+E23:Y45
CI/SfB (22.3)+(42)	R (P2)

A SOUND REDUCTION SYSTEMS PRODUCT



MAXIBOARD TIMBER STUD PARTITION SPECIFICATION: HIGH PERFORMANCE ACOUSTIC WALL SYSTEM DESIGNED TO MEET PART E OF THE BUILDING REGULATIONS AND INCREASE COMFORT / PRIVACY IN DOMESTIC AND COMMERCIAL BUILDINGS.

Maxiboard is an extremely high performance and versatile acoustic building board. Maxiboard can be used as an alternative to plasterboard to dramatically increase the acoustic performance of existing and newly constructed walls and ceilings.

The Maxiboard Timber Stud Partition Specification can be used in both new build and retrofit applications to dramatically reduce the transfer of sound through the partition. Whether you need to meet the requirements of Building Regulations Part E or are looking for increased comfort and privacy, Maxiboard will offer the maximum performance in the minimum thickness.

KEY BENEFITS:

- Improves airborne sound insulation
- Meets Part E of the Building Regulations
- Takes screws and nails direct
- Minimal thickness 60mm
- Extremely durable
- Excellent low frequency performance
- Suitable for refurbishment, conversion and new build projects
- Suitable for domestic, commercial and industrial environments
- Noisy neighbour solution



HIGH PERFORMANCE ACOUSTIC BUILDING BOARD

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INSTALLATION GUIDANCE



Maxiboard installed on a timber stud.

Maxiboard can be applied to most existing or newly constructed timber stud wall constructions to meet Part E of the Building Regulations or just to improve domestic comfort / privacy.

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 50mm MaxiSlab. Maxi Resilient Bars should then be placed at the top and bottom of the wall and then at 600mm centres from the bottom upwards.

The Maxiboards are fixed to the Maxi Resilient Bars using 3.9 x 30mm 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.

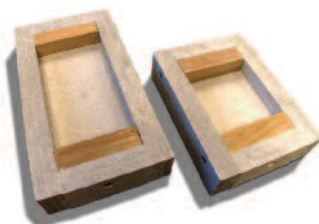
Where Maxiboard abuts a wall, floor or ceiling, the shiplap edge should be removed so the board sits flush to the adjunct. The edge should then be treated with a bead of SRS Acoustic Sealant to reduce sound transmission into the existing structure. Any further inconsistencies or gaps should be treated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

(Please refer to separate Acoustic Socket Box datasheet for further details).



ACOUSTIC DATA

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
Dwelling-houses or flats formed by material change of use Walls	43

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

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

ACOUSTIC PERFORMANCE

Maxiboard on Maxi Resilient Bars - timber stud partition		
	Airborne	
$D_{nT,w}$ (dB)		$D_{nT,w} + C_{tr}$ (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.

PHYSICAL PROPERTIES AND ACCESSORIES

Maxiboard Fire propagation: BS 476:Part 6 1989, Class 0

Maxiboard Surface Spread of Flame: BS 476:Part 7 1997, Class 1

Maxiboard Reaction to Fire: EN13501-1:2007+A1:2009, B-S1, d0

MAXIBOARD	SIZE	THICKNESS	WEIGHT
	1200x600mm (nominal)	17mm	24Kg/m ²

MAXIBOARD ACCESSORIES	DETAILS
SRS Gripfix	310ml Tube
SRS Acoustic Sealant	900ml Tube
Maxi Resilient Bars	3000mm x 120 x 30mm
Maxi Screws	3.9 x 30mm

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.

FINISHING & PLASTERING MAXIBOARD

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

HANDLING

Maxiboard is a very heavy product (17.28kg per sheet). Please exercise caution when lifting and installing. The HSE can provide information and guidance on the lifting and handling of heavy goods www.hse.gov.uk

MAXIBOARD DATASHEETS

The versatility of Maxiboard means it can be used in a wide range of configurations on both walls and ceilings. The datasheets for the various systems below can be obtained by calling **01204 380074** or downloading from www.soundreduction.co.uk



MAXIBOARD MASONRY WALL SPECIFICATION:
Acoustic lining for masonry walls.



MAXI HP PARTITION SPECIFICATION:
Extremely high performance acoustic and fire rated partition system.



MAXI DROPPED CEILING: Acoustic ceiling system designed to be installed beneath existing ceilings to minimise disruption.



MAXI 60 CEILING: Acoustic and fire rated ceiling system to be installed directly beneath joists.

PATENTS & TRADEMARKS

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

Maxiboard Patent No: GB2375358 Acustilay Patent No: GB2287086

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



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Site conditions and installation standards vary. SRS cannot take responsibility for the performance of any installed system of which SRS products are only a part, or that have been installed incorrectly. Prior to installation, it is necessary to identify and eliminate possible flanking paths that may compromise the acoustic performance of any SRS product.

