



**MAXIBOARD**

**{ 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



## **MAXI HP SPECIFICATION: ACOUSTIC AND FIRE RATED PARTITION SYSTEM DESIGNED TO EXCEED PART E OF THE BUILDING REGULATIONS AND OFFER 60 MINUTES FIRE RESISTANCE.**

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 both existing and newly constructed walls and ceilings.

The Maxi HP Specification is an acoustic partition that offers extremely high sound insulation performance and a 60 minute fire resistance in a thickness of only 109mm plus finishing treatment. In acoustic tests the Maxi HP has been shown to exceed the requirements of Part E of the Building Regulations and is therefore perfect for use as a separating partition between flats and apartments and rooms for residential purposes.

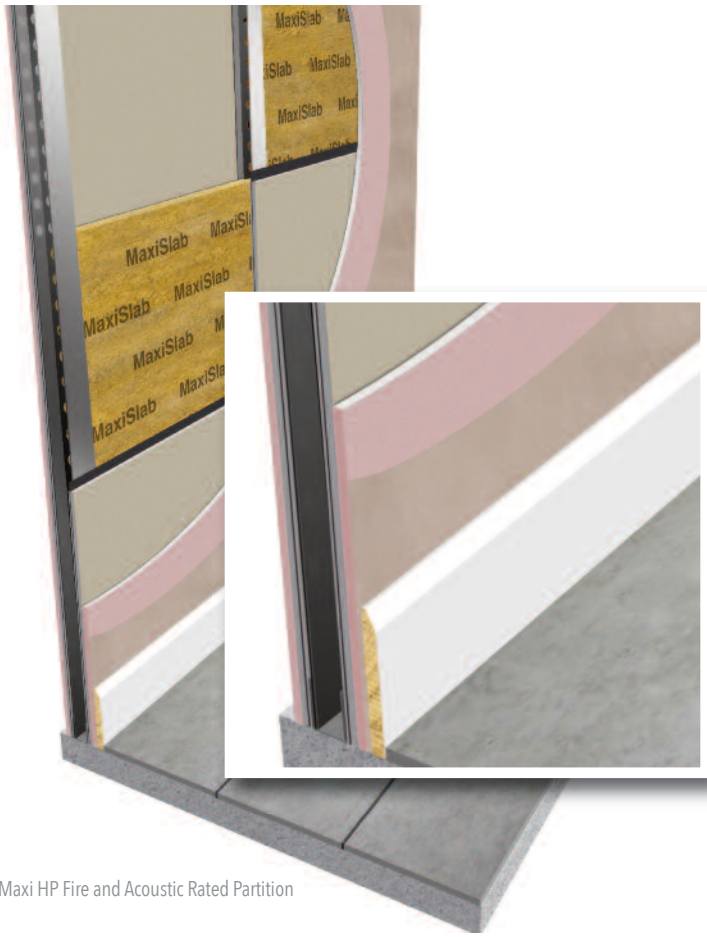
### **KEY BENEFITS:**

- High acoustic performance
- Meets Part E of the Building Regulations
- Offers 60 minutes fire resistance
- Takes screws and nails direct
- Minimal thickness – 109mm plus finishing treatment
- Extremely durable
- Excellent low frequency performance
- Suitable for conversion and new build projects
- Suitable for domestic, commercial, and industrial environments



HIGH PERFORMANCE ACOUSTIC BUILDING BOARD

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Maxi HP Fire and Acoustic Rated Partition

## INSTALLATION GUIDANCE

The Maxi HP Partition is ideal where acoustic and fire regulations need to be met in areas where space is at a premium. Prior to installation, the self adhesive Maxi HP felt is applied to the recess on the outside of the floor channel. The floor and soffit tracks are then secured prior to fitting Maxi HP Studs, which are positioned at 600mm centres. Please note the Maxi HP Studs are not secured to the floor and soffit channels.

All stud mesh profiles are fitted in same direction. 50mm Maxislabs is placed within the stud cavity. Maxiboard panels are then fixed to the Maxi HP Studs in a brick pattern with half panel overlap, using 3.9 x 30mm SRS Maxi screws.

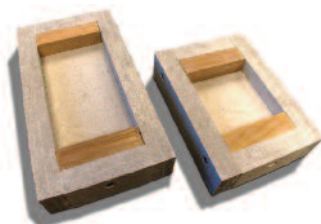
The partition is constructed with the 10mm lighter coloured gypsum side of the board facing outwards, unless specification requirements determine otherwise, ready to be overboarded with a standard plasterboard. Fixings are at a maximum of 250mm centres with the lowest fixing not greater than 30mm from the floor and the uppermost fixing at 60mm from the head. All fixings are positioned at 20mm from the edge of the Maxiboard. The uppermost Maxiboard panels are fitted 5mm short of the perimeters, with a bead of intumescent sealant being used to fill this gap.

SRS Gripfix is applied to all shiplap edges of the Maxiboard panels. Where Maxiboard abuts a wall, floor or ceiling, the shiplap edge should be removed so the board sits flush to the adjunct. A bead of SRS Acoustic Sealant should be applied to the edge of the Maxiboard when fitting to ensure isolation from the existing structure.

When installing a door into a Maxi HP partition you will need a door casing to suit the thickness of the partition. The total thickness is 109mm, excluding plasterboard and skim coat. It is also important to note that the inclusion of a door, in any partition system, will have a detrimental effect on the overall acoustic performance.

For optimum acoustic performance, all sockets and switches should be surface mounted or flush fitted with SRS Acoustic Socket Boxes.

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



## ACOUSTIC DATA

### 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
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 dwelling-houses or flats Walls	43
Dwelling-houses or flats 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 DATA

MAXIBOARD PARTITION		
$D_{nT,w}$ (dB)	Airborne	$D_{nT,w} + C_{tr}$ (dB)
58		51

Tests carried out independently by Noise Control Services 04/08/03.

Measured according to BS EN ISO 140-4:1998. Rated to BS EN ISO 717:1 1997.

Test reference no. NCS 08032/3.

## PHYSICAL PROPERTIES AND ACCESSORIES

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

**Fire propagation:** BS 476:Part 6: 1989 Class 0.

**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	DETAILS
HP Floor & Ceiling Track:	Maxi HP Deep Ceiling Track = 4m Maxi HP Floor Track = 4m
SRS Gripfix	310ml Tube
SRS Acoustic Sealant	900ml Tube
Resilient Bars	3000mm x 120 x 30mm
SRS Maxi Screws	3.9 x 30mm
Maxi HP Felt	20m roll
Maxi HP Stud	75mm x 4m

## FINISHING & PLASTERING MAXIBOARD

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

## HANDLING

Maxi HP 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](http://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](http://www.soundreduction.co.uk)



### MAXIBOARD MASONRY WALL SPECIFICATION:

Acoustic lining for masonry walls.



### MAXIBOARD TIMBER STUD PARTITION SPECIFICATION:

Acoustic lining for timber frame walls.



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

Maxiboard Patent No: GB2375358      Acoustilay 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](mailto:info@soundreduction.co.uk) for free, friendly advice.

**VISIT OUR WEB SITE FOR YOUR  
FREE REPORT & QUOTE:**

We offer free, no obligation quotes for all our acoustic products and systems.

Please visit [www.soundreduction.co.uk/quote](http://www.soundreduction.co.uk/quote) to submit your details and we will normally get back to you within 2 working days.



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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.

