



**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 INDEPENDENT WALL LINING SPECIFICATION: HIGH PERFORMANCE ACOUSTIC WALL LINING SYSTEM DESIGNED TO EXCEED THE REQUIREMENTS OF 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 Independent Wall Lining Specification is ideal for reducing the sound transfer through separating walls in terrace and semi-detached housing, as well as flats and apartments. 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 acoustic performance in the minimum thickness.



**KEY BENEFITS:**

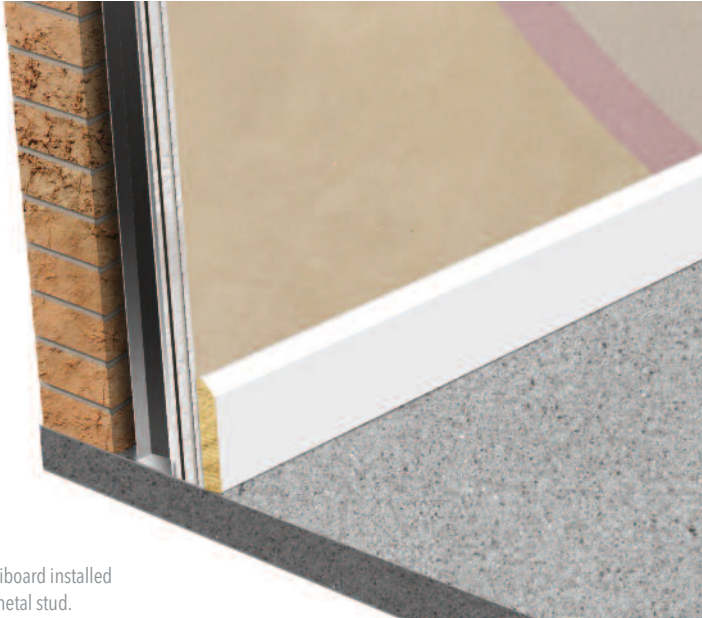
- Significantly improves airborne sound insulation
- Exceeds the requirements of Part E of the Building Regulations
- Minimal thickness - 92mm plus finishing layer of plasterboard
- Enhanced low frequency performance compared to conventional materials
- Suitable for refurbishment, conversion and new build projects
- Suitable for domestic, commercial and industrial environments
- High performance domestic noisy neighbour solution



**HIGH PERFORMANCE ACOUSTIC BUILDING BOARD**

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## INSTALLATION GUIDANCE



Maxiboard installed on metal stud.

Maxiboard can be installed on an independent metal stud in front of a masonry wall construction to exceed the acoustic requirements of Part E of the Building Regulations or to significantly improve domestic comfort / privacy. The installation guidance below refers to the use of 50mm wide Protektor Eco tracks and studs but please note that other manufacturers are available.

The existing masonry wall will need to be completely free of moisture before the Maxiboard is installed. To ensure the back of the Maxiboard is protected from moisture, it may be necessary to install a damp-proof membrane.

The Protektor Eco U track should firstly be screw fixed to the floor along the line of the planned wall lining. SRS suggest that the back of the track should be 25mm away from the face of the existing masonry wall to allow as much acoustic isolation as possible. Once the floor track is secured, the head track should then be fixed to the structural soffit, vertically in line with the floor track.

50mm Protektor Eco C studs should now be cut to the height of the wall, less 10mm to allow for any movement or variation in the floor level. The studs can then be placed into the floor and ceiling tracks to a vertical position and locked into place by twisting. The open 'mouth' of the C Studs should all face the same direction.

The vertical studs should be set out with one stud at each extreme, the second stud at 565mm to the right of the first, and the remaining studs should be fixed at 600mm centres from second stud, moving from from left to right.

Once the studs have been erected, Maxislab 50 should be installed in between them.

The Maxiboards should then be fixed to the studs using 3.9 x 30mm Maxi Screws. Maxiboard must be installed in a brick-bond pattern, with staggered joints, and the utmost care should be taken to ensure there are no gaps between the boards. The best order to install the boards is to start with a full board, left and bottom shiplap edge removed, in the bottom left hand corner as you look at the wall and then complete each vertical 'row' sequentially before starting the next at the bottom. 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 full thickness of Maxiboard 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.

Once the Maxiboard is installed, a layer of plasterboard should be fitted over the Maxiboard and finished using conventional techniques.

## 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 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

Lightweight Blockwork Wall (600kg/m <sup>3</sup> )		
	Airborne	
$D_{nT,w}$ (dB)	$D_{nT,w} + C_{tr}$ (dB)	
38	35	

Lightweight Blockwork Wall (600kg/m <sup>3</sup> ) with Maxiboard Independent Wall Lining		
	Airborne	
$D_{nT,w}$ (dB)	$D_{nT,w} + C_{tr}$ (dB)	
56	52	

Improvement		
	Airborne	
$D_{nT,w}$ (dB)	$D_{nT,w} + C_{tr}$ (dB)	
18	17	

Tests carried out by Soundtesting.co.uk Ltd (UKAS 4088) 01/12/20 and 27/01/21

Measured according to BS EN ISO 140-4:1998

Rated to BS EN ISO 717:1 1997

Test references 14348S-4, 14348S-8



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## 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 <sup>2</sup>

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](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 TIMBER STUD PARTITION SPECIFICATION:

Acoustic lining for timber frame 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 '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.

