



**{ 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 MASONRY WALL 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 Masonry Wall 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 performance in the minimum thickness.

KEY BENEFITS:

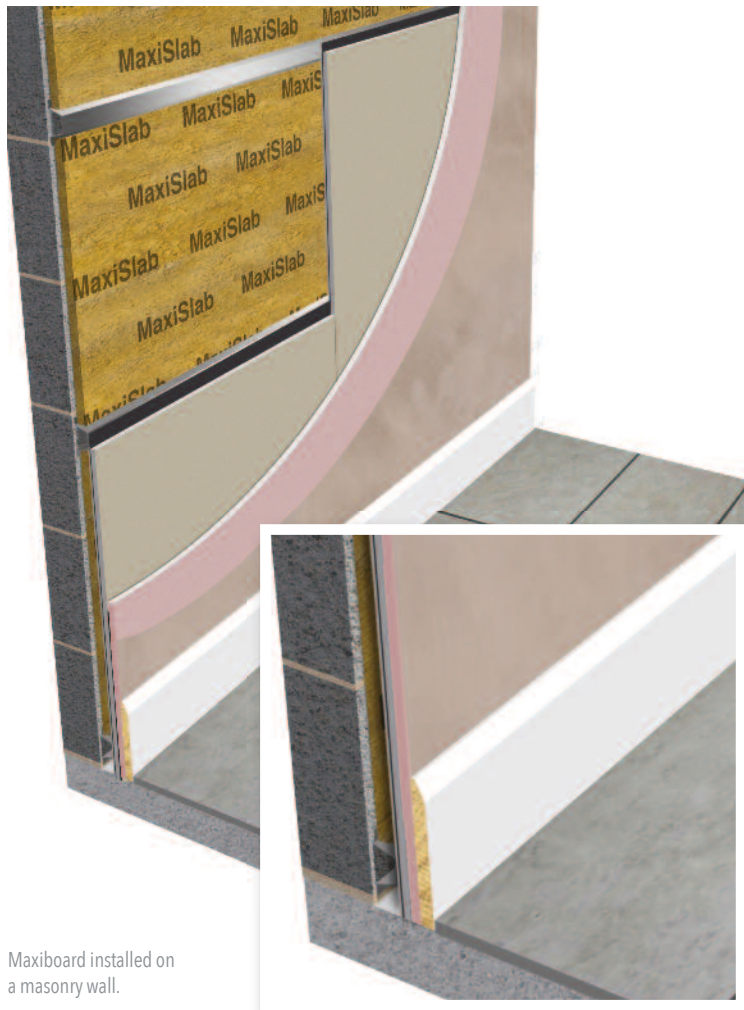
- Improves airborne sound insulation
- Meets Part E of the Building Regulations
- Takes screws and nails direct
- Minimal thickness 60mm
- Extremely durable
- Excellent low frequency performance
- Suitable for refurbishment, conversion and new build projects
- Suitable for domestic, commercial and industrial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



HIGH PERFORMANCE ACOUSTIC BUILDING BOARD

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INSTALLATION GUIDANCE



Maxiboard installed on a masonry wall.

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

Maxi Resilient Bars are fixed horizontally across the wall. A Maxi Resilient Bar should be placed at the top and bottom of the wall and then at 600mm centres from the bottom upwards. Where the Maxi Resilient Bars are applied directly to the wall, 25mm Maxislabs is installed in between them.

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

For increased acoustic performance or to remedy any unevenness in the existing wall, 25 x 50mm timber battens should be fixed vertically at 600mm centres with 25mm Maxislabs hung between them.

The Maxi Resilient Bars and Maxiboard panels are fixed to the timber battens using the same fixing spacings and installation method as described above

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

Maxiboard 1 side lightweight blockwork		
	Airborne	
$D_{nT,w}$ (dB)		$D_{nT,w} + C_{tr}$ (dB)
52		47

Maxiboard both sides lightweight blockwork		
	Airborne	
$D_{nT,w}$ (dB)		$D_{nT,w} + C_{tr}$ (dB)
60		49

Tests carried out by Noise Control Services 08/11/05, 11/11/05.

Measured according to BS EN ISO 140-4:1998.

Rated to BS EN ISO 717:1 1997.

Test reference nos. NCS 11056/5, 11056/2.

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 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 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 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.

