



MAXIBOARD

Acoustic ceiling system designed to be installed beneath existing ceilings to minimise disruption

Uniclass L586+L542:N372	EPIC E42+E512:Y45
CI/SfB (43)+(45)	R+T (P2)

A SOUND REDUCTION SYSTEMS PRODUCT

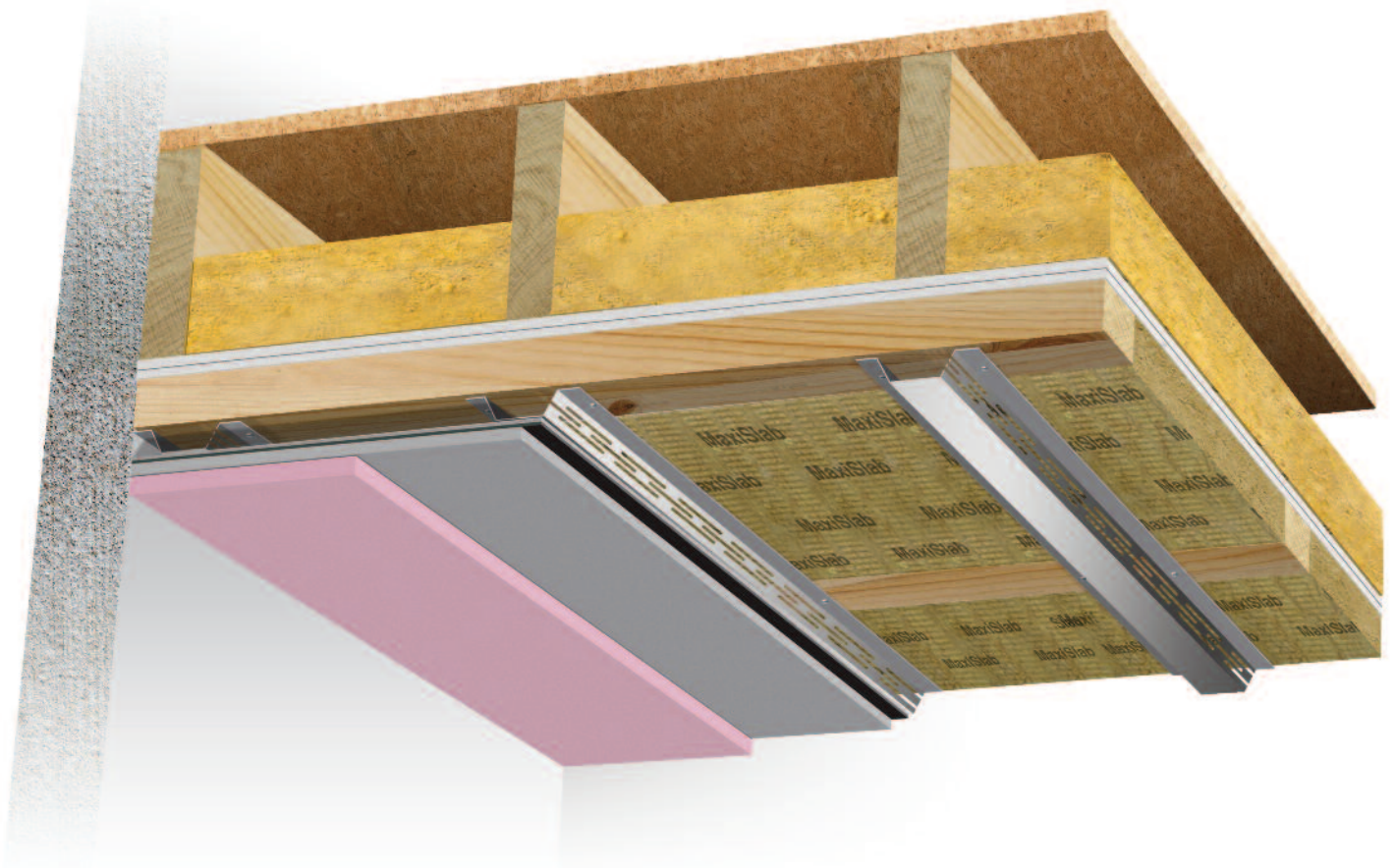
MAXI DROPPED CEILING SYSTEM: HIGH PERFORMANCE ACOUSTIC CEILING SYSTEM DESIGNED TO MEET PART E OF THE BUILDING REGULATIONS WITHOUT THE NEED TO RIP OUT THE EXISTING CEILING.

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 Dropped Ceiling System is ideal in situations where compliance with Building Regulations Part E is required, or noise transfer through a ceiling is an issue, but you don't want the disruption of removing the existing ceiling. The Maxi Dropped Ceiling can be installed beneath existing plasterboard and lath and plaster ceilings. Should additional impact sound insulation performance be desired, SRS Acoustilay can be used on the floor above.

KEY BENEFITS:

- Improves impact and airborne sound insulation performance
- Takes screws and nails direct
- Meets Part E of the Building Regulations
- Extremely durable and robust
- Minimal thickness 110mm
- Suitable for conversion and refurb projects
- Suitable for domestic, commercial and industrial environments
- Noisy neighbour solution



HIGH PERFORMANCE ACOUSTIC CEILING SYSTEM

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 www.soundreduction.co.uk

INSTALLATION GUIDANCE

It is possible to achieve the Building Regulations Part E by installing a Maxiboard ceiling beneath an existing lath and plaster or plasterboard ceiling. 50x50mm softwood timber battens are fitted through the existing ceiling, to the joists at 600mm centres. SRS Maxi Resilient Bars are then fixed at 90° to the softwood battens, across the full width of ceiling. They are secured at the extremities of the ceiling and at 400mm centres in between, commencing from one edge. 50mm Maxislabs are friction fitted between the battens, behind the SRS Maxi Resilient Bars.

Maxiboard panels are fixed to the SRS Maxi Resilient Bars using 3.9mm x 30mm SRS Maxi screws. Fixing must be to the resilient bar alone and not through into the timber battens. The Maxiboards are secured in a staggered half panel overlap. The shiplap edge is removed where the Maxiboard abuts other surfaces, and SRS Acoustic Sealant is applied to all cut edges. The Maxiboards should be fixed to every resilient bar along their length. The screw fixings should be at a maximum of 300mm centres and no closer than 20mm to the edge of the board. A bead of SRS Gripfix is applied to each panel's shiplap edge prior to installation.

FIRE PERFORMANCE

Achieves 1/2 hour fire resistance to BE EN 1365-2 floor/roof (WARRES 124986).

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

Maxi Dropped Ceiling System – shiplap edge detail



ACOUSTIC DATA

Building Regulations Part E - Resistance to the Passage of Sound

Dwelling-houses and flats - performance standards for separating floors, and stairs that have a separating function.		
	Airborne Sound Insulation $D_{nT,w} + C_{tr}$ dB (minimum values)	Impact Sound Insulation $L'_{nT,w}$ dB (maximum values)
Purpose built dwelling-houses or flats Floors + Stairs	45	62
Dwelling-houses or flats formed by material change of use Floors + Stairs	43	64

Rooms for residential purposes - performance standards for separating floors, and stairs that have a separating function.		
	Airborne Sound Insulation $D_{nT,w} + C_{tr}$ dB (minimum values)	Impact Sound Insulation $L'_{nT,w}$ dB (maximum values)
Purpose built rooms for residential purposes Floors + Stairs	45	62
Rooms for residential purposes formed by material change of use Floors + Stairs	43	64

ACOUSTIC DATA

Maxi Dropped Ceiling			
	$D_{nT,w}$ (dB)	Airborne $D_{nT,w} + C_{tr}$ (dB)	Impact $L'_{nT,w}$ (dB)
Maxi Dropped Ceiling	56	48	56

Acoustic tests on Maxi ceiling carried out independently by Noise Control Services 11/11/05 in accordance with ISO 140 parts 4 and 7. Rated to ISO 717 parts 1 and 2. Test reference numbers: 11056/1, 11056/3.



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PHYSICAL PROPERTIES AND ACCESSORIES

Fire properties: Fire propagation BS 476:Part 6: 1989 Class 0

Surface spread of flame: BS 476:Part 7: 1997 Class 1

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

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.

Perimeter Strip - 1200mm long x 25mm wide

MAXIBOARD ACCESSORIES	DETAILS
SRS Gripfix	310ml Tube
SRS Acoustic Sealant	900ml Tube
SRS Maxi Resilient Bars	3000mm x 120 x 30mm
SRS Maxi Screws	3.9 x 30mm
Maxislab 50	45kg m ³ / 1200 x 600 x 50mm

FINISHING & PLASTERING MAXIBOARD

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



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 downloaded from www.soundreduction.co.uk

Ceilings:



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



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



MAXI BEAM & BLOCK: Acoustic and fire rated ceiling system designed to be installed beneath concrete constructions.



MAXI MF: Acoustic ceiling system designed to be installed on a British Gypsum MF grid to create larger voids for services etc.

Walls:



MAXI MASONRY WALLS: Acoustic lining for masonry walls.



MAXI TIMBER STUD: Acoustic lining for timber frame walls.



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

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.



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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.

