



Acoustic and fire rated ceiling system to be installed directly beneath joists.

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

A SOUND REDUCTION SYSTEMS PRODUCT

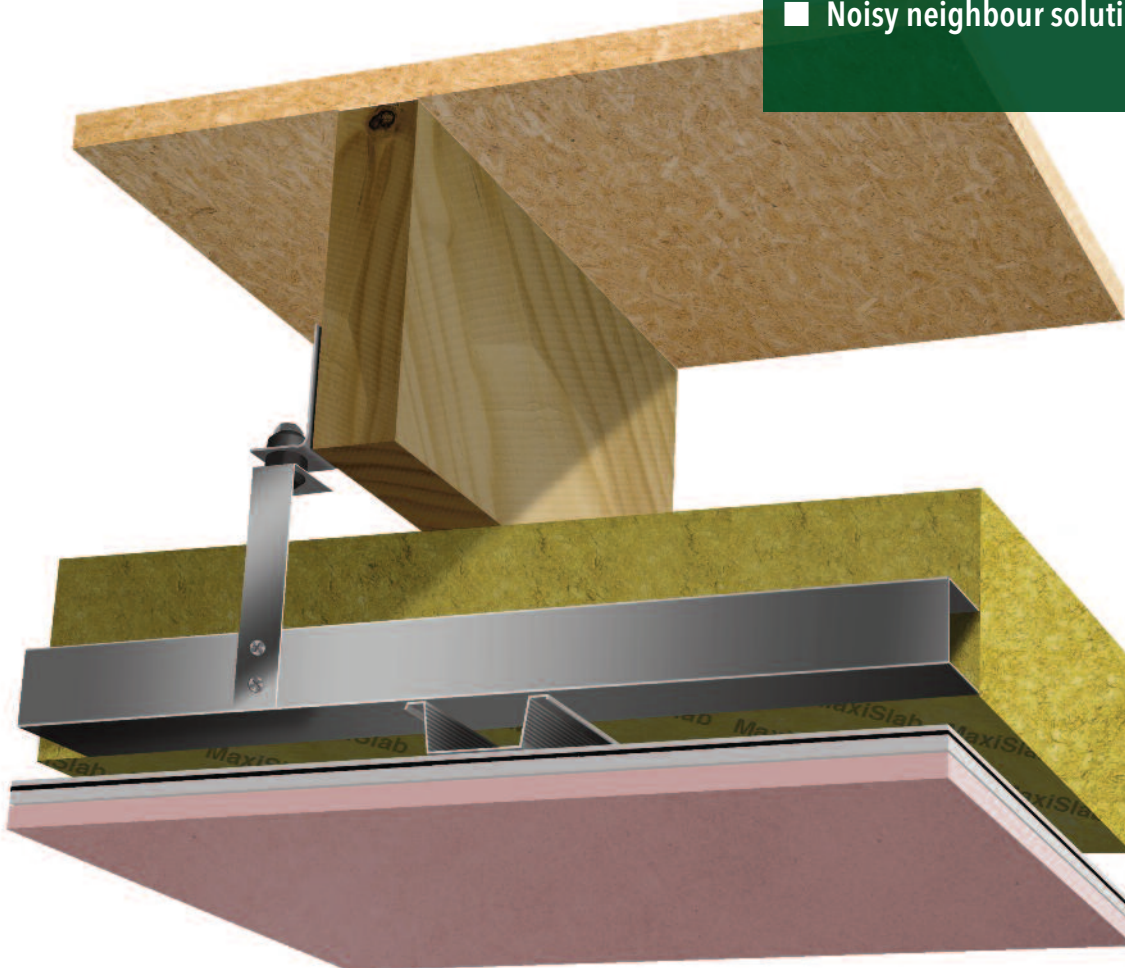
MAXI MF CEILING: VERSATILE, HIGH PERFORMANCE ACOUSTIC AND 60 MINUTE FIRE RATED CEILING SYSTEM DESIGNED TO MEET PART E OF THE BUILDING REGULATIONS WITHOUT THE NEED FOR ADDITIONAL FLOOR TREATMENTS.

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 MF ceiling system is ideal in situations where Building Regulations Part E compliance is required along with a 1 hour fire separation. Simply installed below the joists or existing ceiling, the Maxi MF ceiling system requires no additional floor treatment and, and can be adjusted in depth to allow for services or drop below steelwork

KEY BENEFITS:

- Improves impact and airborne sound insulation performance
- Meets Part E of the Building Regulations
- Achieves 1hr fire rating
- Takes screws and nails direct
- Extremely durable and robust
- Suitable for refurb, conversion and new build projects performance
- Suitable for domestic, commercial and industrial environments
- Noisy neighbour solution



ACOUSTIC & FIRE RATED CEILING SYSTEM

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INSTALLATION GUIDANCE

MAXI MF CEILING – 1 HOUR FIRE RATED

Maxiboard can be installed onto a Casoline MF ceiling system in order to meet Approved Document E of the Building Regulations (2003) and also achieves 1 hours fire protection.

Typical Casoline MF specification beneath exposed timber joists:

- GAH1 (35mm) or GAH2 (70mm) Acoustic Hangers fixed to side of joists at 1200mm centres,
- M6 bolt and locking nut
- MF12 Soffit Cleat
- MF8 Strap Hangers to desired length (1m max) fixed with MF11 nut and bolt
- MF7 channels at 600mm centres fixed to MF8 Strap Hangers with Wafer Head Jack-Point Screws
- MF5 ceiling sections at 400mm centres, perpendicular to the MF5 channels and joined with either MF9 Connecting Clips or Wafer Head Jack-Point Screws

For concrete floor constructions and for timber joisted floor constructions where a plasterboard ceiling is in-situ, the Gypframe MF12 Soffit Cleat can be used to suspend the MF8 Strap Hangers

For detailed installation guidance on the Casoline MF ceiling please contact British Gypsum. The above information should give most installers familiar with the system enough to proceed with.

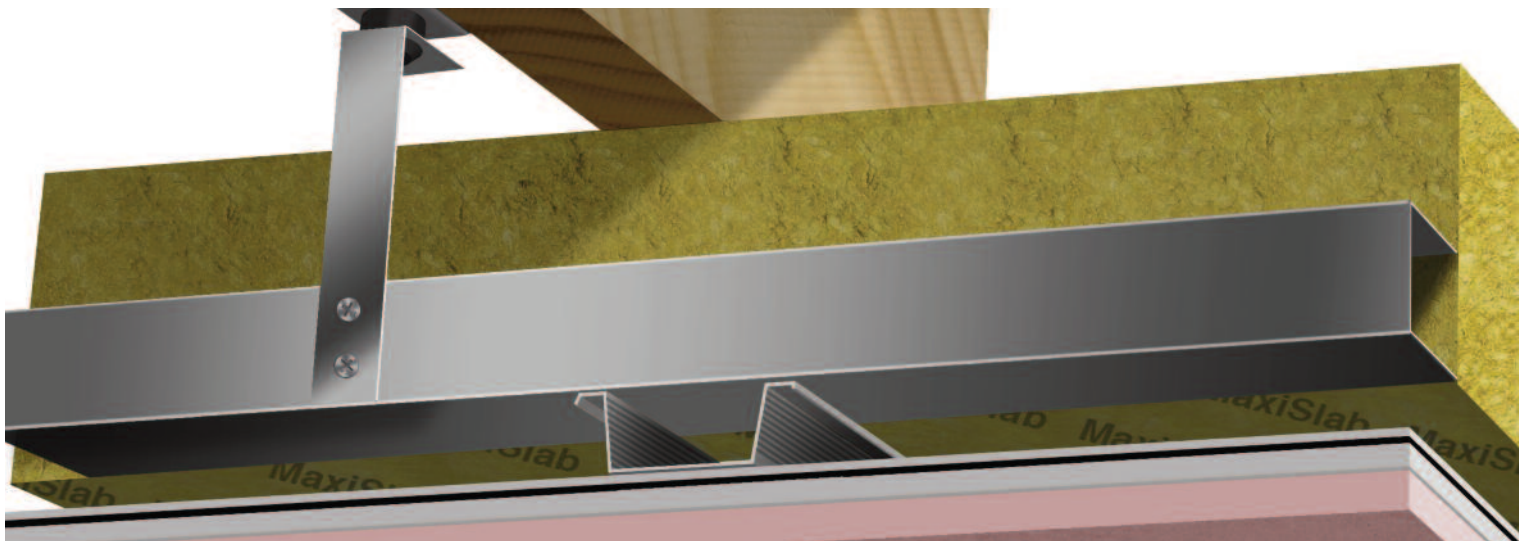
Once the Casoline MF ceiling is installed, Maxi Slab 100 should be laid over the top of the grid prior to the installation of the Maxiboard ceiling lining.

The Maxiboard panels are fixed into the MF5 sections using 30mm x 3.9mm SRS Maxi screws. The Maxiboards are secured in a staggered half panel overlap, with the 10mm white gypsum layer facing outwards, unless specification requirements determine otherwise. The Maxiboards should be fixed to every MF5 section 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.

Where the Maxiboard panels adjoin a perimeter wall, the shiplap edge should be removed, and a bead of SRS Acoustic sealant applied to the edge. it is essential that no gaps occur between the Maxiboard panels.

Once the Maxiboard is installed, 12.5mm fire-rated plasterboards are then fixed through the Maxiboard and into the MF5 sections using 50mm drywall screws. The plasterboards can then be finished using conventional techniques.

Maxi MF Ceiling 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 PERFORMANCE

Maxi MF ceiling			
	Airborne $D_{nT,w}$ (dB)	$D_{nT,w} + C_{tr}$ (dB)	Impact $L'_{nT,w}$ (dB)
Maxi MF	56	49	59

Fire performance: achieves 1 hour fire resistance to BS EN 1365-2 floor/roof (WARRES 127725).

Independent acoustic tests carried out by Noise Control Services Ltd in accordance with BS EN ISO 140 parts 4 and 7 a rated to ISO 717 parts 1 and 2, test references NCS 11056/4 and NCS 11056/6. 11/11/2005.

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

MAXI MF FIRE RESISTANCE: BS EN 1365-2: 2000

The Maxi MF Ceiling system has been assessed by Bodycote Warringtonfire as being capable of providing 60 minutes loadbearing capacity, integrity, and insulation performance, if subjected to fire resistance tests in accordance with BS EN 1365-2 2000 (Bodycote Warringtonfire Assessment Report 168012)

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

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
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 100	45kg m ³ / 1200 x 600 x 100mm

FINISHING & PLASTERING MAXIBOARD

12.5mm fire rated plasterboard must be fitted over the Maxiboard and finished according to manufacturer's instructions.

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.

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.



MAXIBOARD INDEPENDENT WALL LINING
Extremely high performance independent acoustic lining for masonry walls.

**VISIT OUR WEB SITE TO REQUEST
YOUR FREE QUOTATION**

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.

