

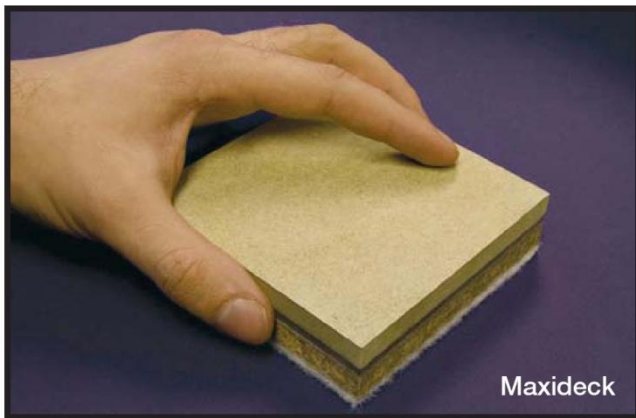


MaxiDeck High Performance Acoustic Flooring Solution

Designed to meet the challenges of Building Regulations

MaxiDeck Datasheet

- ✓ **High Levels of airborne and impact sound insulation**
- ✓ **Can comply with Part E**
- ✓ **Minimal thickness**
- ✓ **Easy to install**
- ✓ **Can be used in all areas, including bathrooms and kitchens**



Installation

The existing floor surface should be dry and free from debris before installing the MaxiDeck. If the existing floorboards have gaps between them, they must be filled with a flexible sealant. The MaxiDeck is fitted in a brick bond pattern, with the felt facing down. Where the MaxiDeck meets the skirting boards at the perimeter walls, the overlap on the top board of the MaxiDeck should be removed. In order to isolate the boards from the skirting, and allow for any expansion that might occur, the self adhesive 25mm 5/26 MaxiDeck Edging Strip should be applied directly to the trimmed edge of the board. This enables the installer to locate the boards easily, leaving a 10mm expansion gap, which the Soundseal will expand to fill. Please note that the rate of expansion varies depending on site conditions - a period of 24hrs should be allowed for full expansion.

If fitting skirting boards after the MaxiDeck has been installed, you must use the wider 32mm 5/26 MaxiDeck Edging Strip on the boards that meet the perimeter walls. The excess Edging Strip expands over the top of the MaxiDeck and provides the installer with a resilient base to

sit the skirting on. Once fully installed, the MaxiDeck can be treated as a standard timber floor finish, however, please refer to manufacturers instructions before installing any decorative floor finish.

All MaxiDeck joints are to be glued with SRS Gripfix. Joints are then screw fixed using 20 x 3.5mm, countersinking screws. Two screws are recommended along each long edge of the individual boards, 100mm either side of the joint in the previous row. The SRS Gripfix will achieve full bond strength after 24 hours cure. It is essential that screw fixings do not penetrate the felt layer – no screws longer than 20mm should be used.

Should you need to cut a hole in the MaxiDeck to accommodate any pipework, you should use the correct sized hole saw to remove the section of MaxiDeck. Another section of MaxiDeck, from the hole to the edge of the board, should be then be removed using a hand saw or jigsaw to allow the service/pipe to be located in the board – this piece should be retained. Once the pipe is in place, the retained section can be glued back into position using SRS Gripfix. SRS Acoustic sealant can be used to fill any gap between the pipe and the MaxiDeck.

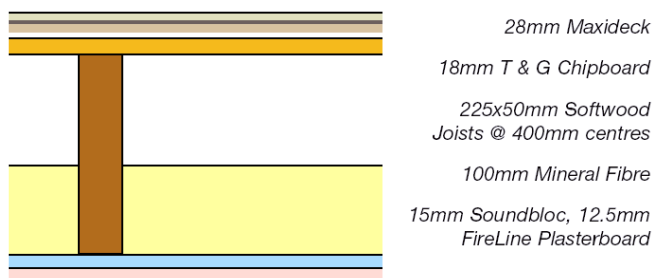
Please note: SRS Ltd advise that for best results MaxiDeck is installed above a ceiling comprising two layers of plasterboard on resilient bars, with 100mm dense mineral fibre between the joists. The direct fix result is given as information only, for those who already have a ceiling in place. If you must install MaxiDeck above an existing ceiling, it may need upgrading. SRS suggest 2 layers of plasterboard, with a minimum mass per square metre of 20kg/m², and 100mm of dense mineral fibre in the cavity, as a minimum requirement.



Building Regulations Part E – Resistance to the Passage of Sound

Dwelling-house and flats – Performance standards for separating floors, and stairs that have a separating function

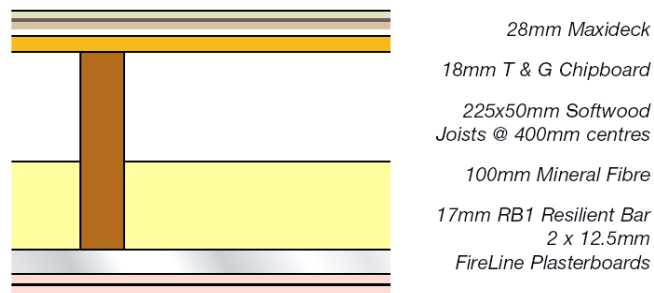
	Airborne Sound	Impact Sound
	Insulation $D_{nT,w} + C_{tr}$ dB (minimum values)	Insulation $L_{nT,w}$ dB (maximum values)
<i>Purpose built dwelling houses or flats</i>		
Floors and Stairs	45	62
<i>Dwelling-houses or flats formed by material change of use</i>		
Floors and Stairs	43	64



Maxideck over a floor with a directly fixed ceiling

$D_{nT,w}$ dB	Airborne		Impact
	$D_{nT,w}$ dB	$D_{nT,w} + C_{tr}$ dB	$L_{nT,w}$ dB
50	44	61	

Tests carried out by Soundtesting.co.uk on 13th July 2007:
Airborne test number: 1402-1, Impact test number: 1402-2



Maxideck over a floor with a resiliently fixed ceiling

$D_{nT,w}$ dB	Airborne		Impact
	$D_{nT,w}$ dB	$D_{nT,w} + C_{tr}$ dB	$L_{nT,w}$ dB
60	52	52	

Tests carried out by Noise Control Services on 19th April 2007.
Test Reference No. NCS/050705/8

Trademarks

'MaxiDeck' is a registered trade name of Sound Reduction Systems Ltd

MaxiDeck Dimensions:

Size = 1200 x 600mm (nominal)

Thickness = 28mm

Weight = 27kg/m²

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: MaxiDeck must be laid flat and kept dry. MaxiDeck should only be stored on site if the building has been sealed and is completely dry.

MaxiDeck Accessories

SRS Gripfix = 310ml tube

SRS Acoustic Sealant = 900ml tube

25mm Wide MaxiDeck Edging Strip 5/26 (For use if skirting already installed)

32mm Wide MaxiDeck Edging Strip 5/26 (For use if installing skirting on to MaxiDeck)

SRS Ltd Acoustic Insulation Datasheets

Sound Reduction Systems Ltd are experts in all areas of sound insulation. For further information on our range of products and systems for reducing sound transmission in buildings and meeting the acoustic requirements of the Building Regulations Approved Document E, please see the following datasheets, which are easily obtained by calling **01204 380074** or downloading from www.soundreduction.co.uk.

Ceilings Datasheets:

- Maxiboard beneath existing plasterboard / lath and plaster
- Maxiboard on a British Gypsum MF ceiling

Walls Datasheets:

- Maxi HP Partition System
- Maxiboard installed with new/existing stud
- Maxiboard installed on new/existing masonry

Floors Datasheets:

- Acoustilay • SubPrimo

Free, Friendly Advice

If you are unsure of which product or system you require, please contact our industry leading technical department on Tel: **01204 380074** or email info@soundreduction.co.uk.



sound
reduction
systems

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