



PRO)))SOUND™

SoundMat 3 Plus

Floor Installation Guide
& Product Overview

Overview

The SoundMat 3 Plus is an unrivalled soundproofing mat designed to reduce unwanted impact and airborne noise and particularly suited to carpet final floor finishes.

The SoundMat 3 Plus is a thin, highly effective soundproofing solution engineered to enable you to achieve peace and quiet in your home. Different layers of mass are cleverly combined in one easy to install product which greatly improves the soundproofing capabilities of existing floors.

Why Use SoundMat 3 Plus

- **High performance** - improve the soundproofing capabilities of your floor to achieve peace, quiet and privacy within your own home
- **Straightforward DIY installation** - saving you time and money, without the need of extra labour costs
- **Saves you space** - minimise the build up of floor height with a high performing, slim SoundMat (only 15mm thick)
- **Fast delivery lead times** - 3 - 5 working days



Features

3 layers of Soundproofing materials:

1. 3mm Mass Loaded Vinyl - high mass acoustic barrier to help block airborne noise
2. 9mm Closed Cell Foam - dampens sound energy and vibrations (e.g. footsteps)
3. 3mm Mass Loaded Vinyl - a second layer of high mass to further block airborne noise

ProSound SoundMat 3 Plus Performance



SoundMat 3 Plus (Performance on timber joisted floor)	Airborne Performance (Higher dB figure the better)	Impact Performance (Lower dB figure the better)
SoundMat 3 Plus fitted to existing floor (With 100mm mineral wool)	51dB (DnT,w)	51dB (L'nT,w)
Untreated timber joisted floor performance * (Before SoundMat 3 Plus)	38dB (DnT,w)	82dB (L'nT,w)

*18mm T&G Chipboard Sub Floor, 200mm floor joists and 12.5mm plasterboard on below ceiling

For more performance data and building regulation compliance please [**CLICK HERE**](#)

Performance Explained

Airborne sound improvement after SoundMat 3 Plus was fitted	13dB
Impact sound improvement after SoundMat 3 Plus was fitted	31dB

For context 10dB improvement is generally perceived by the human ear to being a halving of noise.

For further information on decibels [**CLICK HERE**](#)

Concrete Floor Performance

Impact sound improvement of SoundMat 3 plus on 200mm Concrete	29dB
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Concrete floors already reduce high levels of airborne noise and soundmat 3 plus should only be used to improve impact performance

Specification

- **Size:** 1200mm x 1200mm x 15mm (1.44m²)
- **Weight:** 23kg (16kg per m²)
- **Water:** Non-absorbent

Thermal Conductivity:

- **MLV:** 0.037 W/mK
- **9mm Closed Cell Foam:** 0.039 W/mK

Thermal Resistance:

- **MLV:** 0.095 m² K/W
- **9mm Closed Cell Foam:** 0.23 m² K/W

Fire:

- **MLV:** Surface spread of flame is tested to ISO 3795 and FMVSS 302 - Self Extinguishing
- **9mm Closed Cell Foam:** FMVSS 302

System Components

- High Tack Tape
- Acoustic Sealant - 900ml
- Jumbo Sealant Applicator Gun for 900ml Tubes
- 9mm Gripper Rod Soundproofing Riser - 1.2m x 35mm (for carpets)
- Perimeter Flanking Strip - 25m x 100mm x 5mm (for hard floor finishes)
- Acoustic Mineral Wool
- Adhesive Spreader Trowel - 2mm Notch
- Flooring adhesive - For adhering 9mm T&G MDF Overlay
- 9mm T&G Moisture Resistant MDF Overlay

Please Note: The mats are heavy and we recommend two people for installation

Cutting

The SoundMat 3 Plus should be cut using a circular saw or jigsaw fitted with a fine toothed blade. This is to ensure a straight cut and smooth finish. A straight edge cutting guide is recommended too.

Installation Instructions

The below installation instructions are for when fitting the SoundMat 3 Plus to a timber joisted floor or concrete floor.

Timber joisted floors: We recommend the use of 60kg Acoustic Mineral Wool underneath the floorboards prior to installing the SoundMat. Based on 200mm floor joists the recommendation is 100mm mineral wool.

- 1. Ensure the base floor is smooth, flat and level.**
Make sure the floor is free of any dust or debris and seal any gaps between floorboards or holes/cracks in concrete prior to laying the SoundMats.



- 2. Add perimeter edging detail as per the final floor finish:**
- Gripper rod risers for carpet
 - Perimeter flanking strip for hard floors

Please see **page 7** for more information on edging detail

- 3. Lay the SoundMats in a brick bond pattern butting up to the edging detail.**



ProSound SoundMat 3 Plus Installation



4. Tape over the butt joints to prevent any movement over time.

5. Seal around the perimeter and around any pipework with acoustic sealant.

This helps to prevent any airgaps which sound could travel through.



6. Install your final floor finish as per the manufacturers instructions.

Please note: Do not screw or nail through the SoundMats

Installation Video

The below video link shows Soundmat 3 plus being fitted



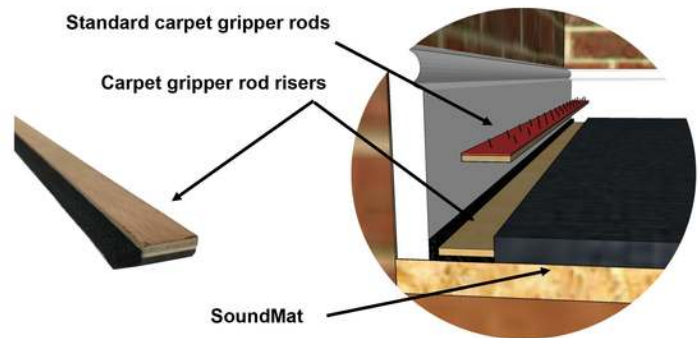
Compatible Floor Finishes

Carpets, Laminate, Vinyl, Engineered solid Wood, Tiles

Installation Of Different Floor Finishes

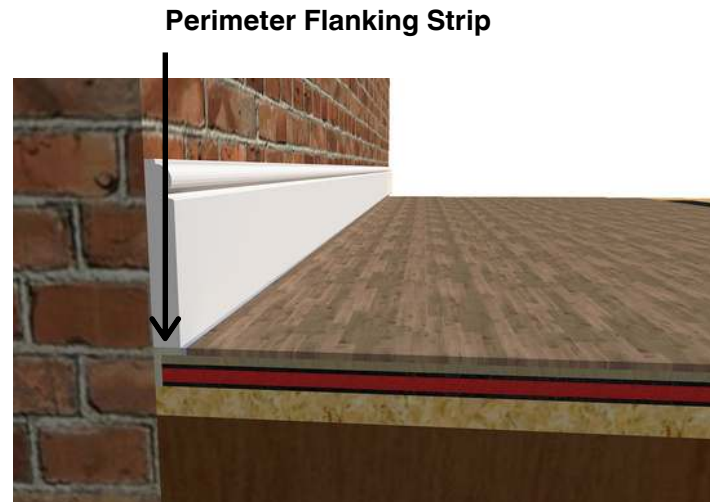
Carpets - (Gripper Rods and Risers)

- Install ProSound Gripper Rod Risers around the perimeter of the room (foam edge to be placed up against skirting / wall) using ring shank nails or screws
- Install SoundMats as per installation instructions
- Fix standard carpet gripper rods on top of gripper rod risers for your carpet to be placed on top



Vinyl, Tiles, Laminate and Bonded Carpet Tiles

- Install ProSound Perimeter Flanking Strip
- Install SoundMats as per installation instructions
- Apply flooring adhesive (following instructions supplied with adhesive) on top of the SoundMat with a 2mm notched trowel
- Bond 9mm T&G MDF overlay board, on top of the SoundMat staggering the joins from the SoundMat. Use Joint adhesive on the T&G joins and wipe excess
- Install final floor finish (following manufacturers guidelines). Do not mechanically fix
- Trim off excess perimeter strip or fold over floor layers to place skirting board on top



T&G Engineered wood flooring - Typically 14mm or thicker can be installed directly on top without the use of an additional stabilising layer but please check with your flooring supplier that the flooring is suitable for use as a floating floor finish,

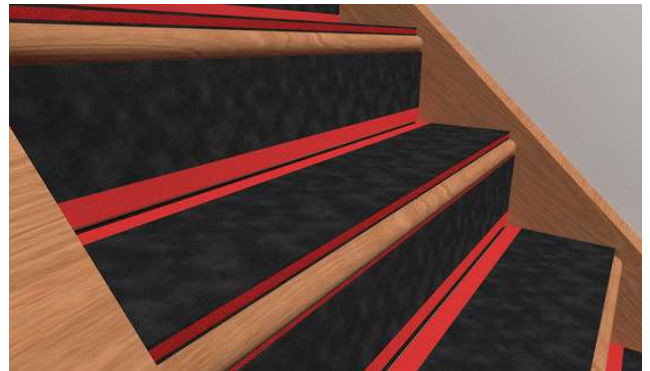
Information regarding floor finishes and their compatibility with SoundMats is provided as general guidance only. With thousands of floor finishes available on the market, it is not possible to test every type of flooring with SoundMats. Always refer to the flooring manufacturer's guidelines for movement tolerances and installation methods.

Underfloor Heating

The SoundMat 3 Plus is not thermally transparent and underfloor heating must be installed above the mat.

Stairs

- If installing carpet on top, nail or screw ProSound Gripper Rod Risers in place, prior to installing the SoundMat
- Cut SoundMat to correct size to cover stair tread and back of the stair or butting up to the Gripper Rod Riser (for carpet)
- Adhere SoundMat to stair tread and back of the stair using flooring adhesive
- If installing carpet, then install suitable carpet Gripper Rods on top of the Gripper Rod Riser as per carpet installation variations
- If installing vinyl / laminate / engineered wood on top, adhere a stabilising board as per vinyl, laminate and bonded carpet installation variations
- Install final finish as per the manufacturers guidance



Heavy Furniture / Appliances / Cupboards / Units

SoundMats will need to be over boarded with a stabilising layer to spread the weight and minimise movement.

Important Notes

- For installations and applications not listed, please contact The Soundproofing Store for guidance
 - SoundMat 3 Plus is a handmade laminated product and has a tolerance of 2-3mm
 - As our products will add weight to your structure, you may wish to check with a structural engineer to ensure compatibility
 - For timber joisted floors we would recommend installing acoustic mineral wool between the floor joists
 - The mass loaded vinyl may emit a small odour when installed or moved. This odour will dissipate in time and we recommend ventilating the room for 24 hours after fitting
 - If you are employing fitters, it's recommended they are booked after materials have been delivered
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SoundMat 3 Plus

Exclusively available through The Soundproofing Store