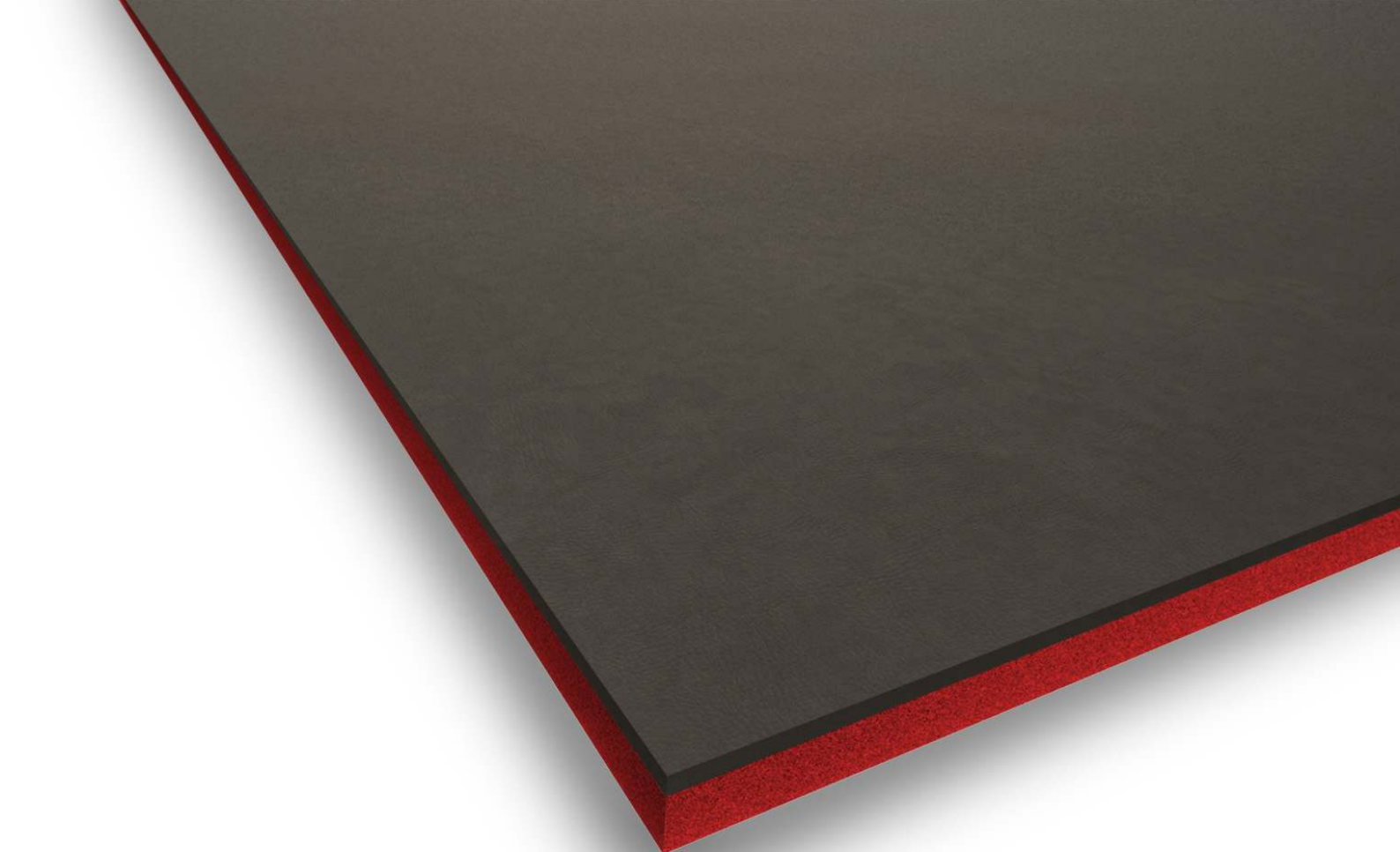




**PRO)))SOUND™**

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# SoundMat 2 Plus

Floor Installation Guide  
& Product Overview

## Overview

The SoundMat 2 Plus is a tried and tested soundproofing mat designed to reduce unwanted impact and airborne noise enabling you to achieve peace and quiet in your home. Particularly suited to carpet final floor finishes, where impact noise is a priority. SoundMat 2 is an exceptionally thin soundproofing solution which is easily installed directly to an existing floor. With a combination of soundproofing materials adding mass and sound dampening properties cleverly combined in one effective solution.

## Why Use SoundMat 2 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 slimline soundproofing solution (only 12mm thick)
- **Fast delivery lead times** - 3 - 5 working days



## Features

2 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)

## ProSound SoundMat 2 Plus Performance



| <b>SoundMat 2 Plus</b><br>(Performance on timber joisted floor)          | <b>Airborne Performance</b><br>(Higher dB figure the better) | <b>Impact Performance</b><br>(Lower dB figure the better) |
|--------------------------------------------------------------------------|--------------------------------------------------------------|-----------------------------------------------------------|
| SoundMat 2 Plus fitted to existing floor<br>(With 100mm mineral wool)    | <b>48dB</b><br>(DnT,w)                                       | <b>55dB</b><br>(L'nT,w)                                   |
| Untreated timber joisted floor performance *<br>(Before SoundMat 2 Plus) | <b>38dB</b><br>(DnT,w)                                       | <b>82dB</b><br>(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 2 Plus was fitted | <b>10dB</b> |
| Impact sound improvement after SoundMat 2 Plus was fitted   | <b>27dB</b> |

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 2 plus on 200mm Concrete | <b>29dB</b> |
|---------------------------------------------------------------|-------------|

Concrete floors already reduce high levels of airborne noise and soundmat 2 plus should only be used to improve impact performance

## Specification

- **Size:** 1200mm x 1200mm x 12mm (1.44m<sup>2</sup>)
- **Weight:** 11.5kg per mat (8kg per m<sup>2</sup>)
- **Water:** Non-absorbent

### Thermal Conductivity:

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

### Thermal Resistance:

- **MLV:** 0.095 m<sup>2</sup> K/W
- **9mm Closed Cell Foam:** 0.23 m<sup>2</sup> K/W

### Fire:

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

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## System Components

- High Tack Tape - 33m x 50mm
- Acoustic Sealant - 900ml
- Jumbo Sealant Applicator Gun for 900ml Tubes
- 6mm Gripper Rod Soundproofing Riser - 1.2m (for carpets)
- Perimeter Flanking Strip (25m x 100mm x 5mm)
- Acoustic Mineral Wool
- IsoBond Rubber Adhesive 12kg (30m<sup>2</sup> Coverage) For adhering the stabilising layer to the mat for hard floor finishes
- Adhesive Spreader Trowel - 2mm Notch

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

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## Cutting

The SoundMat 2 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 2 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.

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 2 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 but the installation steps are the same for Soundmat 2 plus



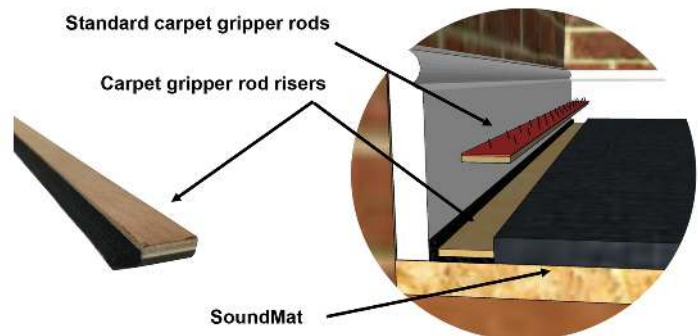
### Compatible Floor Finishes

Carpets, Laminate, Vinyl, Engineered solid Wood, Tiles

## Installation Of Different Floor Finishes

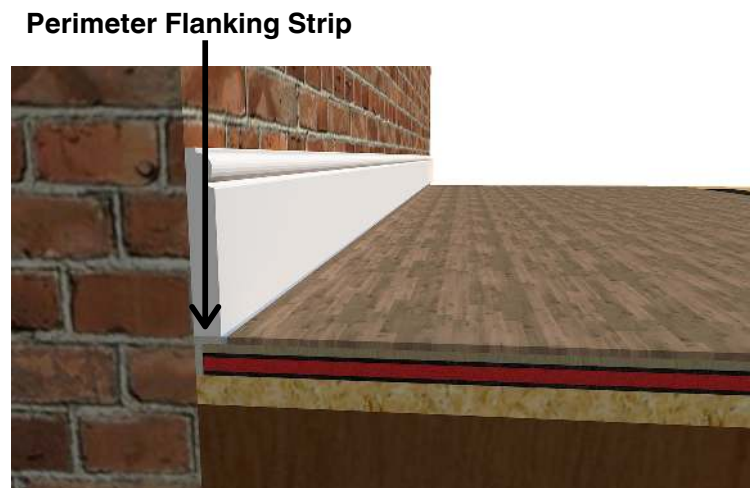
### Carpets

- Nail or screw ProSound Gripper Rod Risers around the perimeter of the room (foam edge to be placed up against skirting / wall)
- 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, laminate and bonded carpet finishes

- Install ProSound Perimeter Flanking Strip
- Install SoundMats as per installation instructions
- Apply IsoBond Rubber Adhesive (following instructions supplied with adhesive) on top of the SoundMat with a 2mm notched trowel
- Once tacky, bond a 9mm T&G MDF overlay board, or a 6mm (minimum) stabilising layer (e.g. primed MDF, ply or cement board) on top of the SoundMat staggering the joins from the SoundMat
- 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



**Engineered wood flooring** - Typically 14mm or thicker can be installed directly on top without the use of an additional stabilising layer.

### Tiles

- Follow above instructions for vinyl, laminate but use a suitable tile backer board or thicker 9-12mm stabilising layer (e.g. primed MDF or Ply)
- Always follow the manufacturers guidance

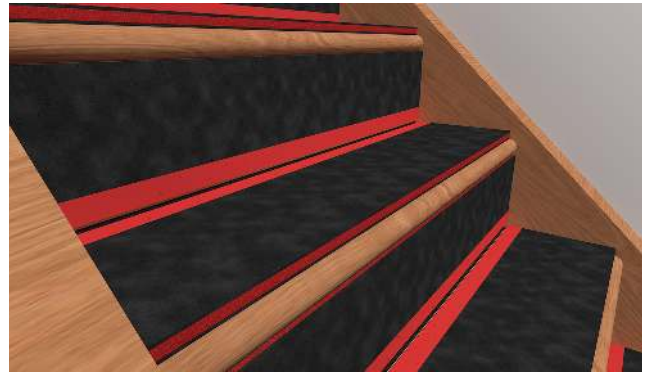
## Underfloor Heating

The SoundMat 2 Plus is not thermally transparent and underfloor heating must be installed above the mat.

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## Stairs

- Cut SoundMat to correct size to cover stair tread and/or riser
- Adhere SoundMat to tread and/or riser using IsoBond rubber adhesive (or suitable alternative)
- If installing carpet on top, nail or screw ProSound Gripper Rod Risers in place, then install suitable carpet gripper rods on top 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



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## Heavy Furniture / Appliances / Cupboards / Units

SoundMats will need to be over boarded with a stabilising layer to spread the weight and minimise movement. Adhere a suitable stable board of a minimum of 6mm on top of the SoundMat.

## Important Notes

- For installations and applications not listed, please contact The Soundproofing Store for guidance
  - SoundMat 2 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 2 Plus

Exclusively available through The Soundproofing Store