

# PRO)))SOUND™

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## SoundDeck 32

Floor Installation Guide  
& Product Overview

## Overview

The SoundDeck 32 is a cost effective solution in reducing impact and airborne noise on timber floor structures.

Particularly suited to passing Part E Building Regulations with a resilient acoustic ceiling system like the ReductoClip Ceiling Solution below.

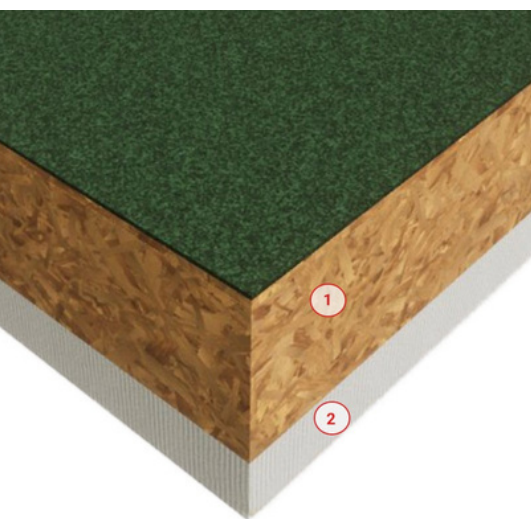
The SoundDeck 32 is commonly used directly on floor joists as an upgraded floorboard replacement. For added performance it can also be used as an overlay board floating on top of existing timber floorboards.



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## Why Use SoundDeck 32

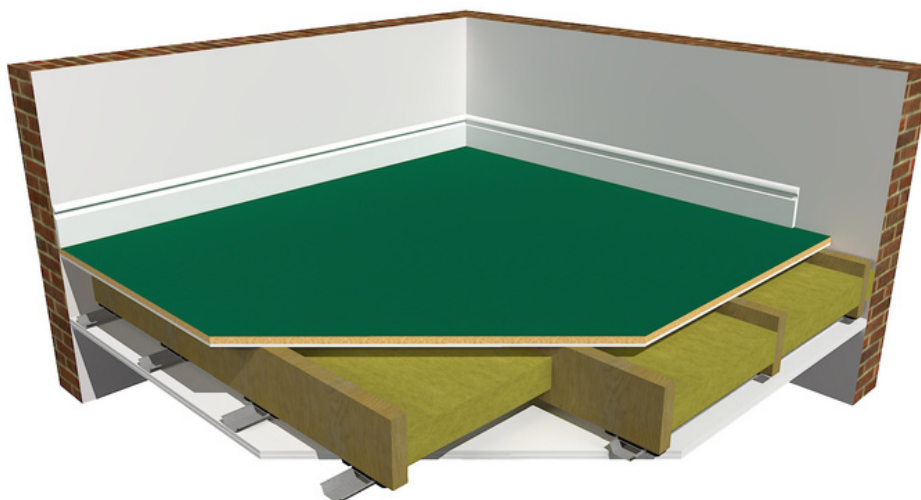
- **Good performance** - Improve the soundproofing capabilities of your floor as part of a full system
- **Straightforward DIY installation** - saving you time and money, without the need of extra labour costs
- **Cost effective** - A cheaper but thicker alternative to other soundproofing solutions
- **Fast delivery lead times** - 3 - 5 working days



## Features

- 1. 22mm P5 Moisture Resistant Chipboard** - adds more mass to the floor and helps to block airborne noise
- 2. 10mm PET Mat (100% Twice Recycled)** - adds resilience to the floor to dampen and reduce impact vibration

## ProSound SoundDeck 32 Performance



<b>SoundDeck 32 (Direct To Joist)</b> (Performance on timber joisted floor)	<b>Airborne Performance</b> (Higher dB figure the better)	<b>Impact Performance</b> (Lower dB figure the better)
SoundDeck 32 fitted to existing joists (With 100mm mineral wool)	<b>45dB</b> (DnT,w)	<b>72dB</b> (L'nT,w)
Untreated timber joisted floor performance * (Before SoundDeck 32 replaced chipboard floor )	<b>38dB</b> (DnT,w)	<b>82dB</b> (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 SoundDeck 32 was fitted	<b>7dB</b>
Impact sound improvement after SoundDeck 32 was fitted	<b>10dB</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\*\*](#)

## Specification

- **Size:** 2400mm x 600mm x 32mm (1.44m<sup>2</sup>)
- **Weight:** 24.2kg (16.8kg per m<sup>2</sup>)
- **Water:** P5 water resistant

### Thermal Conductivity:

- 22mm P5 Chipboard: 0.15 W/mK
- 10mm PET: 0.16 W/mK

### Thermal Resistance:

- 22mm P5 Chipboard: 0.15 m<sup>2</sup> K/W
- 10mm PET: 0.06 m<sup>2</sup> K/W

**Fire:** EN13501-1: D-s2, d0

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## System Components

- Joint Adhesive (1 litre)
- Acoustic Sealant 900ml
- Jumbo 900ml applicator gun
- Perimeter Flanking Strip
- Acoustic Mineral wool

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

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## Cutting

The SoundDeck 32 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.

Suitable PPE should be worn and cutting should be done in a well ventilated area.

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## Underfloor Heating

Underfloor heating should be installed above the SoundDeck 32

## Installation Instructions

The below installation instructions are for when fitting the SoundDeck 32 directly to a timber joisted floor or secondary floor joists / battens.

It can be used on floor joists spanning up to **600mm centre to centre**.

SoundDeck 32 can also be used as an overlay board on top of a structural floor for added performance.

**Timber joisted floors:** We recommend the use of 60kg Acoustic Mineral Wool underneath the floorboards prior to installing the SoundDeck 32

1. Ensure floor joists are level and clear of any old screws and nails.  
You can apply ProSound isolation strip to the top of all joists for additional impact performance.  
This has a self adhesive backing.



2. Add perimeter flanking strip to wall in preparation for SoundDeck being fitted.

3. Cut away the female groove edges from first board so that a square edge is presented to the walls in the corner.  
Lay the first SoundDeck 32 board in the corner working left to right.

**Note:** All boards that go against a wall will need to have the edges cut to be square.



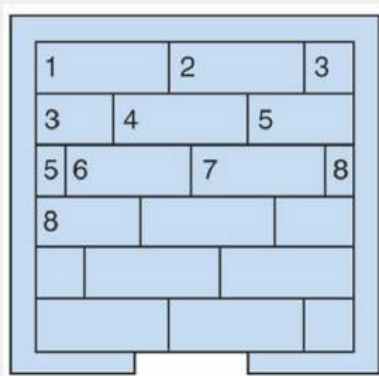
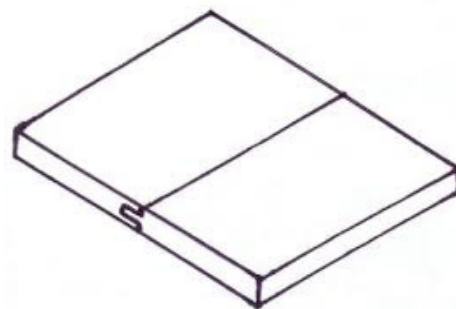




4. Apply a bead of adhesive to right hand side tongue of the first SoundDeck and the equivalent groove edge of the next Deck.

5. Once the adhesive is applied offer up the next board to the first board ensuring the T&G join is closed together. Again, you will need to cut the groove edge off the wall going against the wall. Joins should occur on a floor joist.

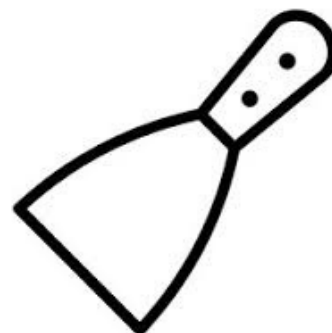
If floor joists are not at regular intervals then H noggins will be required to create a joist for joins to occur on.



6. Use cut off from first row to start the next row. Lay the SoundDeck 32 in a brick bond pattern butting up to the edging detail. (Minimum overlaps of 200mm)

Once laid leave for 24 hours for adhesive to set.

7. Remove excess adhesive with a floor scraper. Once floor is laid and clean, your floor finish can be applied.



## Final Floor Finishes

Laminate flooring, engineered wood, ceramic tiles, carpets and most other floorings can be fitted directly on top as per the flooring manufacturers fitting instructions.

When tiling, a flexible tile adhesive and grout should be used.

Mechanical fixings can be used but must only penetrate the chipboard layer of the board (22mm)

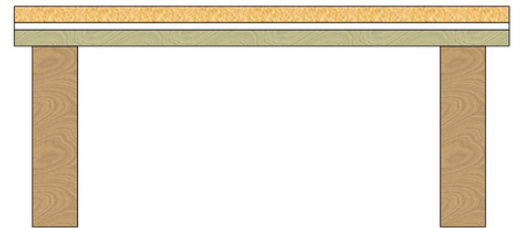
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## Other Applications

SoundDeck 32 is a multipurpose flooring product that can be utilised in a variety of different situations.

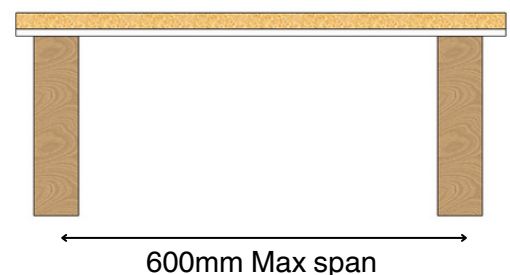
SoundDeck 32 can be used as an overlay board on an existing solid sub floor when floor height is not restricted.

**Overlaid on existing floor**



The SoundDeck 32 has the ability for it to also be used as a structural floor directly on top of floor joists.

**Direct to floor joists**



Please contact The Soundproofing Store for further advice on other applications.

## Important Notes

- For installations and applications not listed, please contact The Soundproofing Store for guidance
  - 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
  - If you are employing fitters, it's recommended they are booked after materials have been delivered
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# SoundDeck 32

Exclusively available through The Soundproofing Store