



SoundScreed 18

Floor Installation Guide
& Product Overview

Overview

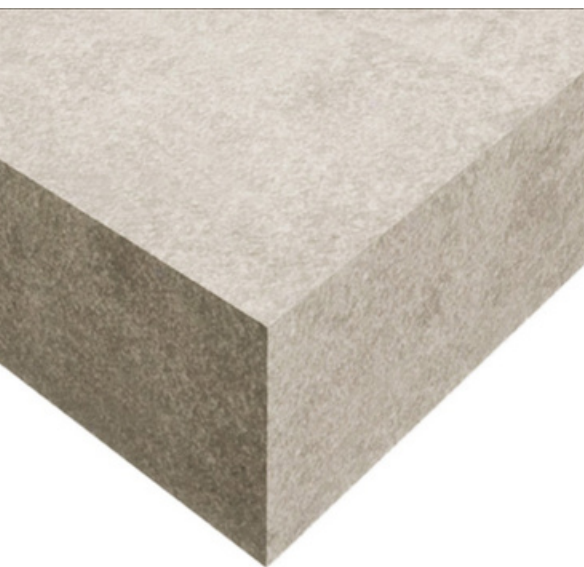
SoundScreed 18 is a high mass floor soundproofing solution used to reduce high levels of airborne noise, helping to create peace and quiet within your home. Its high density makes it suitable for a variety of different applications. Installed directly onto floor joists (replacing existing floorboards). Or overlaid on existing floorboards.

SoundScreed 18 provides a strong, level and stable base for hard floor finishes which removes the need for a stabilising layer, helping to reduce installation time and costs.



Why Use SoundScreed 18

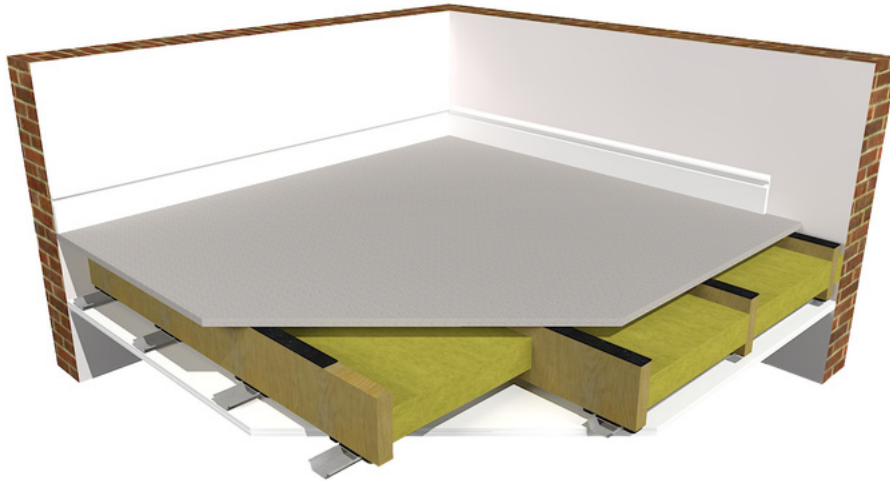
- **High performance** - dramatically improve the airborne soundproofing capabilities of your floor to achieve peace, quiet and privacy within your own home
- **Straightforward DIY installation** - saving you time and money, without the need of extra labour costs
- **Saves you space** - can replace existing floorboards to help minimise floor height build-up
- **Fast delivery lead times** - 3 - 5 working days



Features

- 1. 18mm Gypsum Flooring Panel** - adds more mass to the floor and helps to block airborne noise
- 2. Thermally Transparent** - offers high thermal conductivity for underfloor heating systems

ProSound SoundScreed 18 Performance



SoundScreed 18 (Performance on timber joisted floor)	Airborne Performance (Higher dB figure the better)	Impact Performance (Lower dB figure the better)
SoundScreed 18 fitted to existing joists (With 100mm mineral wool)	51dB (DnT,w)	N/A
Untreated timber joisted floor performance * (Before SoundScreed 18 replaced chipboard floor)	38dB (DnT,w)	N/A

*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 SoundScreed 18 was fitted	13dB
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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:** 1200mm x 600mm x 18mm (0.72m²)
- **Weight:** 19.5kg per board (27kg per m²)
- **Water:** Water resistant when primed

Thermal Conductivity: 0.44 W/mK

Thermal Resistance: 0.040m² K/W

Fire: EN13501-1 : A1

System Components

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

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

Cutting

The SoundScreed 18 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.

Underfloor Heating

The SoundScreed 18 is thermally transparent with a high thermal conductivity. It can be used in conjunction with underfloor heating systems to aid in the transfer of heat throughout the floor area and has a far greater conductivity than chipboard floors and traditional wet screed floors. Underfloor heating can be commissioned within 24 hours of the SoundScreed being laid.

Installation Instructions

The below installation instructions are for when fitting the SoundScreed 18 directly to a timber joisted floor or secondary floor joists / battens.

It can be used on floor joists spanning up to 400mm centre to centre.

Timber joisted floors: We recommend the use of 60kg Acoustic Mineral Wool between the floor joists prior to installing the SoundScreed 18

1. Ensure floor joists are level and clear of any old screws and nails. Apply ProSound isolation strip to the top of all joists. This has a self adhesive backing.



2. Add perimeter flanking strip to wall in preparation for SoundScreed 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 SoundScreed 18 board in the corner working left to right.



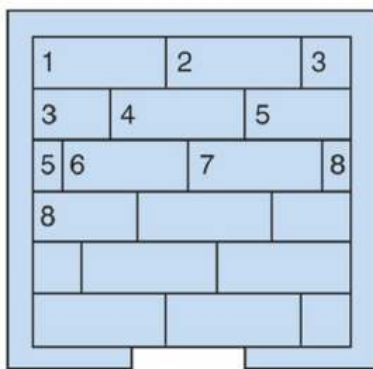
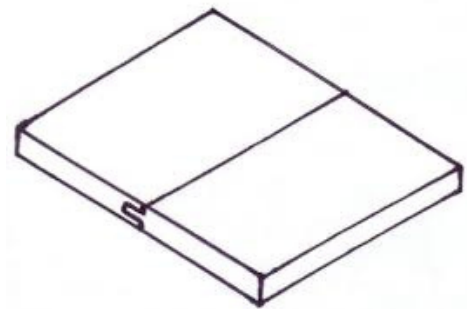
Note: All boards that go against a wall will need to have the edges cut to be square.



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

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 board going against the wall. Joins should occur on a floor joist.

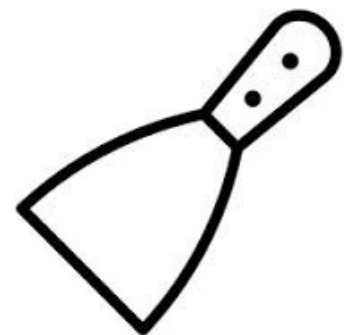
If floor joists are not at regular intervals then H noggins will be required to create a joist for joins to occur on.



6. Use cut off from first row to start the next row. Lay the SoundScreed 18 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 standard fitting instructions.

If adhering any floor finish to the top of the SoundScreed then it should be primed with a suitable floor primer first.

For thinner LVT and Vinyl Flooring we advise that a thin 2mm - 5mm Latex screed is applied over the board to ensure a smooth surface - again the top of the SoundScreed should be primed first.

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

Other Applications

SoundScreed 18 is a multipurpose flooring product that can be utilised in a variety of different situations.

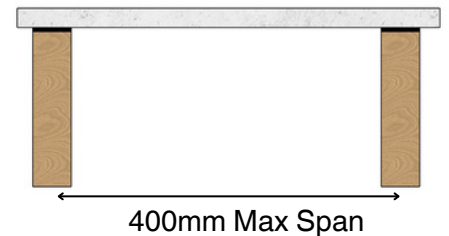
The SoundScreed 18 has the ability for it to be used as a structural floor on acoustic cradles and isolated secondary floor battens. The use of secondary floor battens will enhance both airborne and impact sound performance.

It can also be used as a floating construction on top of thermal insulation (PIR) above underfloor heating systems with a far greater thermal conductivity than standard chipboard floors.

SoundScreed 18 can also be used as an overlay board on an existing solid sub floor when floor height is not restricted. Impact performance can be improved by the addition of ProSound ImpactoMat 5.

Please contact the soundproofing store for further advice on other applications.

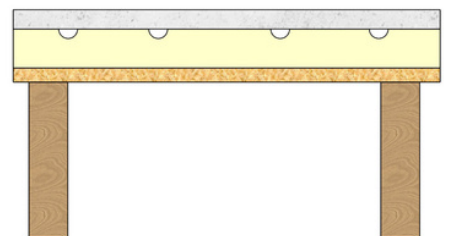
Direct to floor joists



Secondary Floor Battens



Floating over underfloor heating



Overlaid on existing floor



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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PRO)))SOUND™

SoundScreed 18

Exclusively available through The Soundproofing Store