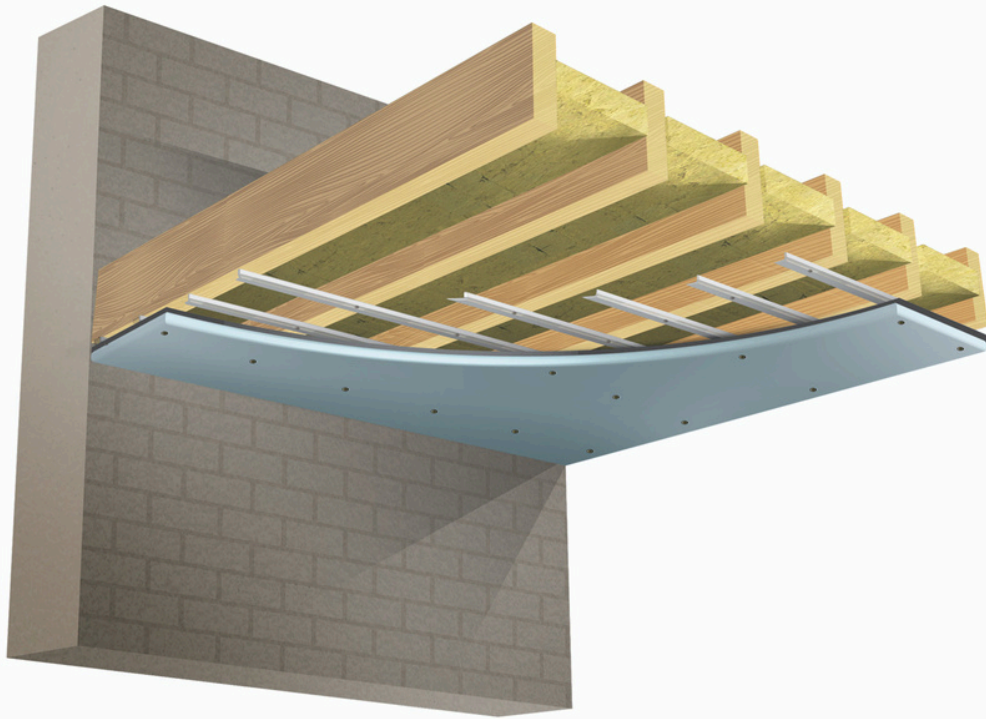


CEILING SYSTEM 2

SOUNDPROOFING SPECIALISTS
NOISESTOP SYSTEMS

NOISE  **STOP**
SYSTEMS



**CEILING SYSTEM 2
TIMBER JOIST
CEILING
SOUNDPROOFING
SOLUTION**

NOISE  **STOP**
SYSTEMS

TIMBER JOIST CEILING SOUNDPROOFING

Soundproof new and existing timber joist ceilings using this solution.

A slim profile to reduce the loss of height makes this system an ideal choice to minimise space loss within the room.

CEILING SYSTEM 2

Ceiling System 2 is a slim domestic soundproofing system for timber ceilings with minimal ceiling height loss. Its slim profile system offers reliable ceiling sound insulation in homes that cannot afford to lose head height. Ceiling System 2 will increase timber ceilings' mass, density and isolation, which reduces airborne and impact sound transfer.

Combining mass, isolation, and sound absorption, Ceiling System 2 offers homeowners a ceiling soundproofing solution with minimal loss of space in the room. Acoustic insulation, soundbreaker bars, and the Noisestop 1 Plus Panels ensure that medium noise levels will be reduced.

Ceiling System 2

Our slimmest profile ceiling solution for timber joist ceilings

CEILING SYSTEM 2

Reduce neighbour noises such as clear conversation and TV noise through timber joist ceilings

SPACE SAVING

Slimline solution reduces the loss of head height within the room, 35mm from the joist

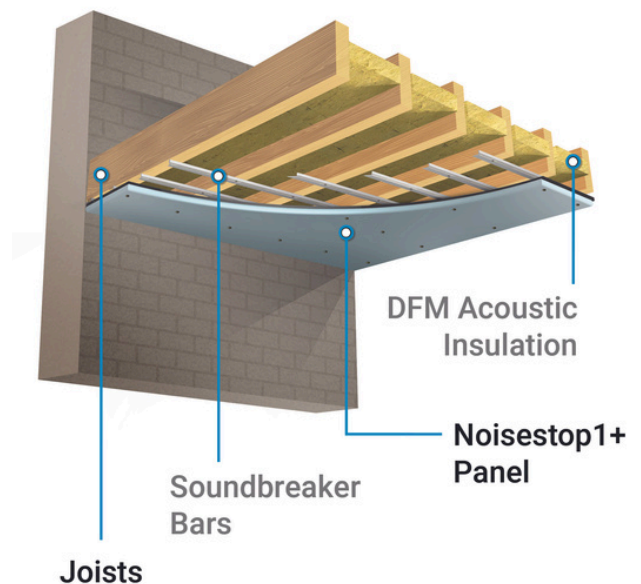
SOUNDPROOFING

Soundproof your home, office or workplace to restore quiet within rooms against impact and airborne sounds

Components

Materials supplied with this system:

- Acoustic insulation 100mm/60kg/m³ – High-density sound insulation slabs
- Soundbreaker Bars 3m
- Noisestop 1 Plus Panel 18mm – 12.5mm soundboard laminated with 10kg mass-loaded vinyl 1200mm x 1200mm (1.44sqm)
- Acoustic sealant 310ml



Ceiling System 2 comprises Soundbreaker Bars to decouple and isolate the joists from the ceiling. The isolation created by the resilient channel reduces vibration through the structure.

Acoustic insulation inside the ceiling joists adds mass and sound absorption, which reduces airborne sounds. Further enhancing this is the Noisestop 1 plus panel, which combines acoustic plasterboard with high-density mass-loaded vinyl. Acoustic sealants ensure the acoustic integrity between the boards and the ceilings perimeter.

Ceiling System 2

Our slimmest profile ceiling solution for timber joist ceilings

Fitting

Ceiling preparation

Before work can commence on installing Ceiling System 2, you must remove the existing plasterboard. Once the ceiling has been removed, you will be left with exposed ceiling joists. You are now ready to fit Ceiling System 2.

Step 1.

Infill the existing ceiling joists with the 100mm acoustic insulation slabs between them. Using a serrated knife or an old bread knife to cut the insulation slabs slightly larger than the opening between the joists will allow you to push the slabs between the joists to friction fit in place. Cover the whole ceiling area, ensuring no gaps are left between the insulation and between the insulation and the joists.

Step 2.

Fit the Soundbreaker bars to the underside of the ceiling joists at 400mm centres. Screw the soundbreaker bars into the joists using the pre-drilled holes that run along the edge of the bars; use drywall or universal screws for this. The wider corrugated section of the Soundbreaker bars should face down into the room when attached.

Step 3.

Fit the soundproof panels to the soundbreaker bars using drywall or universal screws. Fix the panels into the bars by screwing them into the corrugated section of the Soundbreaker bar. You will not need to pre-drill holes to fasten the boarding. You should have four bars per board to fix into. When you fit each board, ensure they are tightly butted together, and apply a bead of acoustic sealant along the edge of the panels to ensure they are acoustically sealed. You can also apply sealant once you have installed all of the boards around the perimeter of the ceiling and between the edges of the panels to fill any small holes that might be left.

Allow a small gap between the panels and the walls around the edge of the ceiling. This will reduce sound vibration through the walls and ceilings. Use the acoustic sealant to fill in the gap.

Step 4.

Finish off your ceiling with either a plaster skim or taping and filling the tapered edge of the panels.

Ceiling System 2

Our slimmest profile ceiling solution for timber joist ceilings

System Performance

Airborne Data

Untreated Ceiling Airborne DnT,w

18mm chipboard floor, 200mm joist and 12mm plasterboard ceiling **38dB**

Treated Ceiling Airborne DnT,w

Ceiling System 2 **58dB**

Improvement DnT,w

Noise reduction with treatment **20dB**

Impact Data

Untreated Ceiling Impact LnT,w

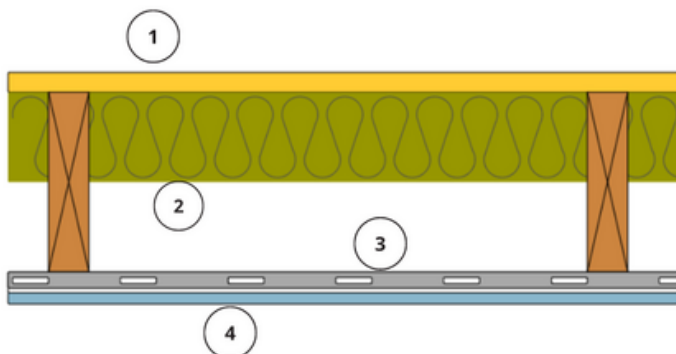
18mm chipboard floor, 200mm joist and 12mm plasterboard ceiling **80dB**

Treated Ceiling Impact LnT,w

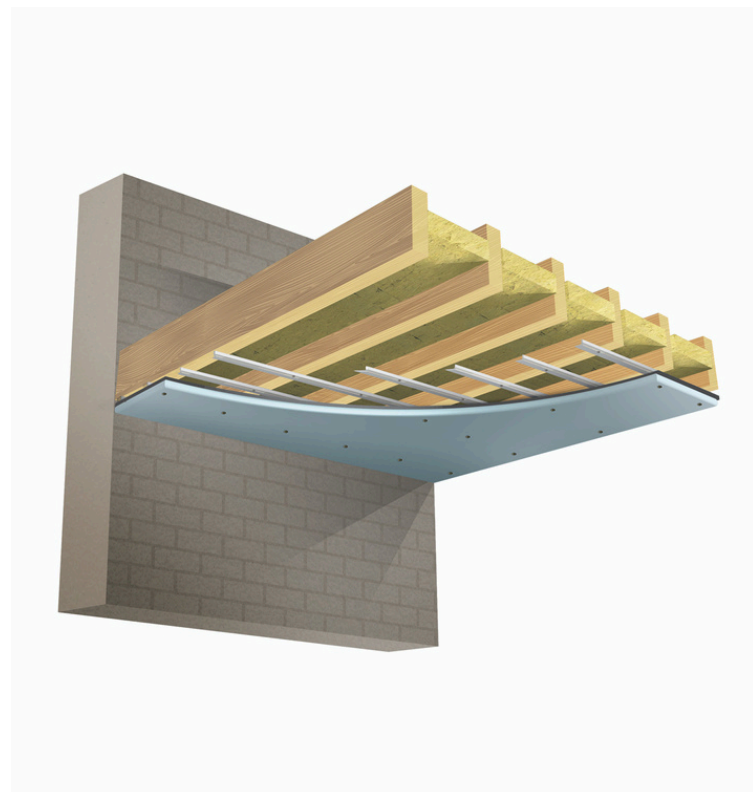
Ceiling System 2 **59dB**

Improvement LnT,w

Noise reduction with treatment **21dB**



- 1 18mm Interlocking T&G flooring
- 2 Acoustic insulation 100mm/60kg
- 3 Soundbreaker bars perpendicular to the joist at 400mm centres
- 4 Noisestop 1 Plus Panel 18mm - 10kg mass-loaded vinyl membrane bonded to 12-5mm soundboard



Ceiling System 2

Our slimmest profile ceiling solution for timber joist ceilings

System Components

- 1 Noisestop 1 Plus Panel 18mm
- 3 Acoustic sealants
- 2 Acoustic insulation 100mm/60kg
- 4 Soundbreaker Bars 3m

