



Ceiling System 1 is suitable for use on timber ceilings that require airborne and impact noise reduction. Soundproof existing ceilings in houses and flats with little loss of ceiling height. The combination of products that make up this system will offer good levels of soundproofing against most domestic noises including conversation, TV's as well as impact sound. The acoustic insulation is fire rated A1 non combustible and the acoustic plasterboard has a 30 minute fire rating. The increased mass and separation of this solution is key to the level of soundproofing. Acoustic insulation slabs block and absorb sound that would normally transfer through an empty cavity. The soundbreaker bars are an acoustic hanger that isolate the ceiling joists from the boarding, this in turn reduces sound transfer between the two surfaces. The Noisestop 1+ Panel combines acoustic plasterboard and a 10kg mass loaded barrier mat to block sound transfer and further reduce sound that would normally pass through a structure via vibration.

Key Features & Benefits

- Use on any timber ceiling
- Noisy neighbours, refurbishment, new builds, change of use
- Noisy neighbour soundproofing solution to reduce higher levels of airborne and impact sound
- Ready to finish, tapered edges for taping and filling or plaster skim
- Part E compliant when used with associated flooring
- 30 minute fire rating

System Data

- 100mm/60kg/m³ & 50mm/60kg/m³ Acoustic insulation slabs (A1 non-combustible)
- Soundbreaker bars
- Noisestop 1+ Panel 18mm (12.5 acoustic plasterboard 30 minute fire rating bonded to 10kg/m² mass loaded barrier mat)
- AC50 acoustic sealant
- System thickness 85mm from the bottom of the existing ceiling joist

Acoustic Performance

Airborne Sound Insulation RW
62dB

Installation

- Infill the Cavity between the ceiling joists with the 100mm insulation. Ensure the whole area is filled.
- Attach battens perpendicular to the existing joists and infill with the 50mm insulation slabs.
- Attach the soundbreaker bars to the ceiling joists. Bars are screwed into the joists, screwing through the pre-drilled holes along one edge of the bar. The wider corrugated fixing flange should be facing down into the room.
- Install the Noisestop 1+ soundproof panel by screwing them on to the soundbreaker bars. Use the acoustic sealant around the edge of each board and the perimeter of the ceiling. Leave a 2-3mm gap around the perimeter to be filled with acoustic sealant.
- The Noisestop 1+ Panels are tapered edge so they can be taped and filled or a plaster skim can be applied.

Technical advice

We are always on hand to offer technical advice on our products and installation methods. CALL 01423 339163 or email info@noisestopsystems.co.uk