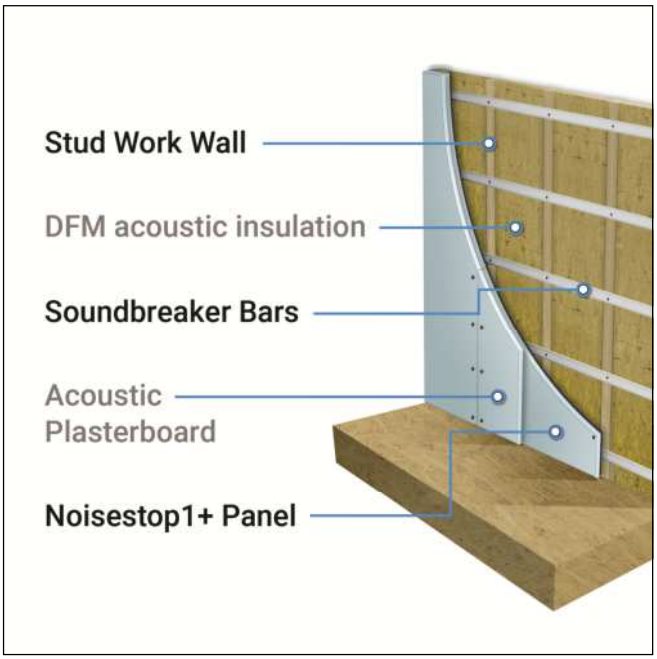
Noisestop Systems Soundproofing Range

Stud Wall Kit 100mm



Insulate internal stud partition wall to reduce sound transfer between rooms. Light weight stud walls are often poorly insulated to reduce the passage of sound. By installing the products supplied with this system you will increase the mass of the wall, therefore block sound as it transfers through the wall. Acoustic hangers supplied in the system decouple the stud frame from the boarding which will reduce sound transferring through the structure that would normally occur with this type of construction. Stud wall kits are supplied with a variety of thicknesses available. The kit is suitable for timber and metal stud frames. This system can also be installed as a party wall soundproofing solution or as part of a wall specification for studios, home cinemas and other areas that require sound insulation using timber or metal stud frames. Fill the stud with the acoustic insulation slab, ensure the whole area is filled. Attach soundbreaker bars to the stud frame to further increase separation of the wall. Screw the Noisestop 1+ Panel to the bars. Ensure the panels are sealed along the edges and the perimeter of the wall is sealed with acoustic sealant. The Noisestop 1+ Panels are tapered edge so they can be taped and filled or a plaster skim can be applied.

Key Features & Benefits

- Soundproof party walls and stud walls
- 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 for use on separating walls
- One hour fire rating

System Data

- 100mm/60kg/m³ Acoustic insulation slabs (non-combustible)
- Soundbreaker bars
- Noisestop 1+ Panel 18mm (12.5 acoustic plasterboard bonded to a 10kg/m² mass loaded barrier mat)
- 12.5mm Acoustic plasterboard tapered edge
- AC50 Acoustic sealant

Acoustic Performance

Airborne Sound Insulation RW
60dB

Installation

- Remove the plasterboard from one side of the wall. Alternatively construct a new frame from timber or metal studs if you are separating a room.
- Fill the cavity of the stud frame with the acoustic insulation slabs. Ensure the entire wall is filled.
- Attach the soundbreaker bars to the stud frame. Bars are screwed into the studs, screwing through the pre-drilled holes along one edge of the bar. The bars should be attached with the holes running along the bottom of the bar. The wider corrugated fixing flange should be facing into the room.
- Install the Noisestop 1+ soundproof panel and the acoustic plasterboard by screwing them on to the soundbreaker bars.
- 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

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