SOUNDPROOFING SPECIALISTS NOISESTOP SYSTEMS



WALL

**SYSTEM** 

NOISE

ACOUSTICLIP STUD

SOUNDPROOOFING

SYSTEMS

SOUNDPROOFING SYSTEMS

Achieve high levels of soundproofing in your home and work environment using the AcoustiClip System.

Install the decoupling bar and isolating clip onto walls and ceilings to ensure the highest soundproofing levels.

## ACOUSTICLIP SYSTEMS

The AcoustiClip System is a high performing sound reduction system that offers robust soundproofing required in our noisy homes and workplaces.

Fit AcoustiClips onto studs, ceiling joists, concrete ceilings and solid masonry walls. Combined with the AcoustiChannel to form the base of your soundproofing system, you can secure soundproof boarding and acoustic membranes that are isolated from the structure of the building.

The system is economical, space-saving and provides excellent levels of noise control.



Our highest performing stud wall system is the Acousticlip system, which has acoustic insulation and soundproof panels to significantly reduce airborne and vibration through walls.

#### ACOUSTICLIP

Excellent noise reduction levels make this a great choice for rooms that require high levels of noie control

#### SYSTEMS

Combining acoustic materials ensures the very best levels of sound reduction against airborne and impact sounds

#### SOUNDPROOFING

Soundproof your home, office, workplace, music room, studio with the AcoustiClip System





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#### Noise Reduction on a Stud Wall 61dB



#### Noise Reduction on a Solid Wall 69dB



- Isolation Strips isolate the new stud wall from the walls, floor and ceiling.
- DFM acoustic insulation between the studs adds mass, increases sound absorption within the wall cavity, and reduces reverberation.
- AcoustiClips are applied to the stud frame to create the isolation required for significant noise reduction.
- AcoustiChannel is fitted into the clips to form the base of the soundproof wall.
- A layer of 15mm acoustic plasterboard adds mass to the wall
- Noisestop 1 Plus Panel incorporates acoustic plasterboard and a layer of pre-bonded 10kg massloaded vinyl to add sound dampening and extra mass to the area.
- Use an acoustic sealant to seal the boards to enhance the acoustic performance.





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## Fitting AcoustiClip Stud Wall System

**Stud frame -** Install the stud frame using timber or metal. Secure the frame to the ceiling and floor, and the return walls, where possible, leaving a small gap of 10mm between the existing wall. Use Noisestop Isolation Strips around the perimeter of the stud to isolate it from the rest of the building.

Note - If you soundproof an existing stud wall, you don't need to install another; you can move on to the next stage.

**DFM Acoustic insulation -** Infill the cavity between each stud with the required insulation thickness. Cut the slabs slightly wider than the opening to ensure they friction fit between the studs.

**AcoustiClips -** Position the clips onto the stud at vertical centres of 600mm with a maximum space of 1200mm between clips along the AcoustiChannel (fit a clip to every other batten on a 600mm centre stud frame). The bottom row of clips should be at most 100mm from the floor. The top row should be at most 150mm from the ceiling. Fix the AcoustiClips to the stud with wood screws.

**AcoustiChannel** - Attach the AcoustiChannel into the AcoustiClips by squeezing the channel and slotting it into the clips. Join the lengths together with a 100mm overlap and screw them together.

**Acoustic plasterboard 15mm** - Fit the 15mm acoustic plasterboard to the AcoustiChannel using drywall screws at approximately 200mm centres. Use a minimum length of screw of 25mm.





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# Fitting AcoustiClip System

**Noisestop 1+ Panel -** Screw the Noisestop 1+ Panel into the AcoustiChannel with drywall screws at approximately 200mm centres. Leave a small 2-3mm gap around the wall's perimeter. When fastening the boards to the channel, make sure you avoid fixing into the stud frame behind the clips; doing this could affect the acoustic performance of the wall. Use screws at a minimum length of 45mm

**Acoustic Sealant** - Fill the wall's perimeter between each board to fill any small gaps. Note - Seal between each board as you push them together to create an acoustic seal.

**Electrics** - If you are reinstating electrical outlets, use acoustic putty pads inside the recessed back boxes to ensure the acoustic integrity of the wall.





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### Positioning Diagram for the AcoustiClip and AcoustiChannel



Max 100mm from the channel centre to the floor

Max 1200mm between AcoustiClips



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## **Overview**

## AcoustiClip Stud Wall Soundproofing System

### AcoustiClip & AcoustiChannel

### Cross Section AcoustiClip System



- Soundproof solid brick and stud walls using this wall system
- An excellent performance against airborne and vibration sound of 69dB
- Only 77mm thick, you can install this system into smaller rooms
- Competent DIYers can carry out the installation
- Ideal solution for noisy neighbours and rooms that require a good level of noise control

