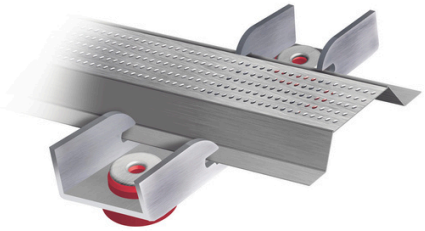
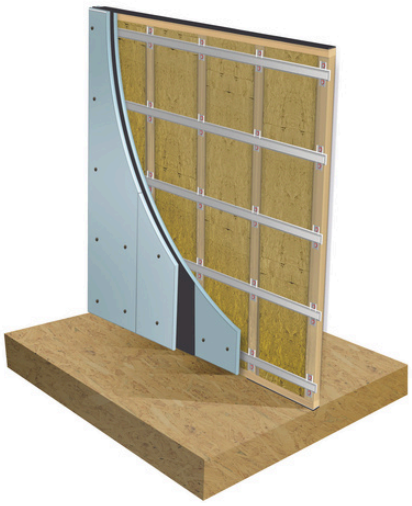
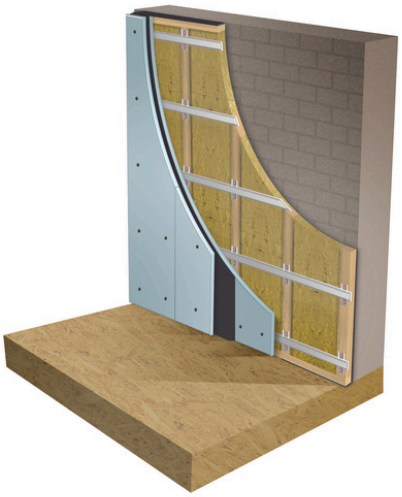
AcoustiClip Stud System



AcoustiClip Solid Wall Stud System





AcoustiClip System

Stud Wall AcoustiClip System & Solid Wall Stud System Fitting Guide

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AcoustiClip Stud Wall System Fitting Guide

Fitting AcoustiClip Stud System

The AcoustiClip Stud System can be applied to any wall constructed from a timber stud frame.

- Exsisng stud walls
- New stud walls
- Stud walls installed as a party wall soundproofing system **(AcoustiClip Solid Wall System)**

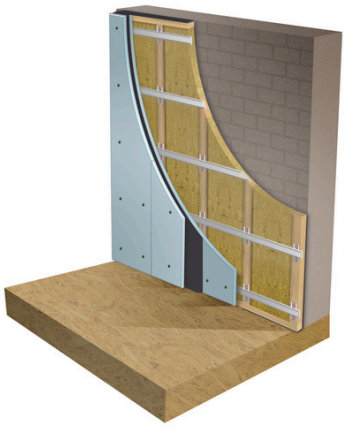
Fitting to an existing stud wall
If you are fitting the system to an existing stud wall, the plasterboard must be removed from one side of the wall. If possible, remove the plasterboard from the side of the noise source. This is not essential, but it is a recommendation if possible.

Fitting to a new stud wall
If you are soundproofing a new stud wall, apply acoustic plasterboard to the other side of the wall to maximise its performance level.

If you are fitting a new stud wall, you can use an isolation strip around the perimeter of the stud frame to isolate it from the wall, floor and ceiling. Isolation strips are not supplied with the kits but can be bought separately.

AcoustiClip Stud System

AcoustiClip Solid Wall Stud System



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AcoustiClip Stud Wall
System Fitting Guide

Setting out the AcoustiClip

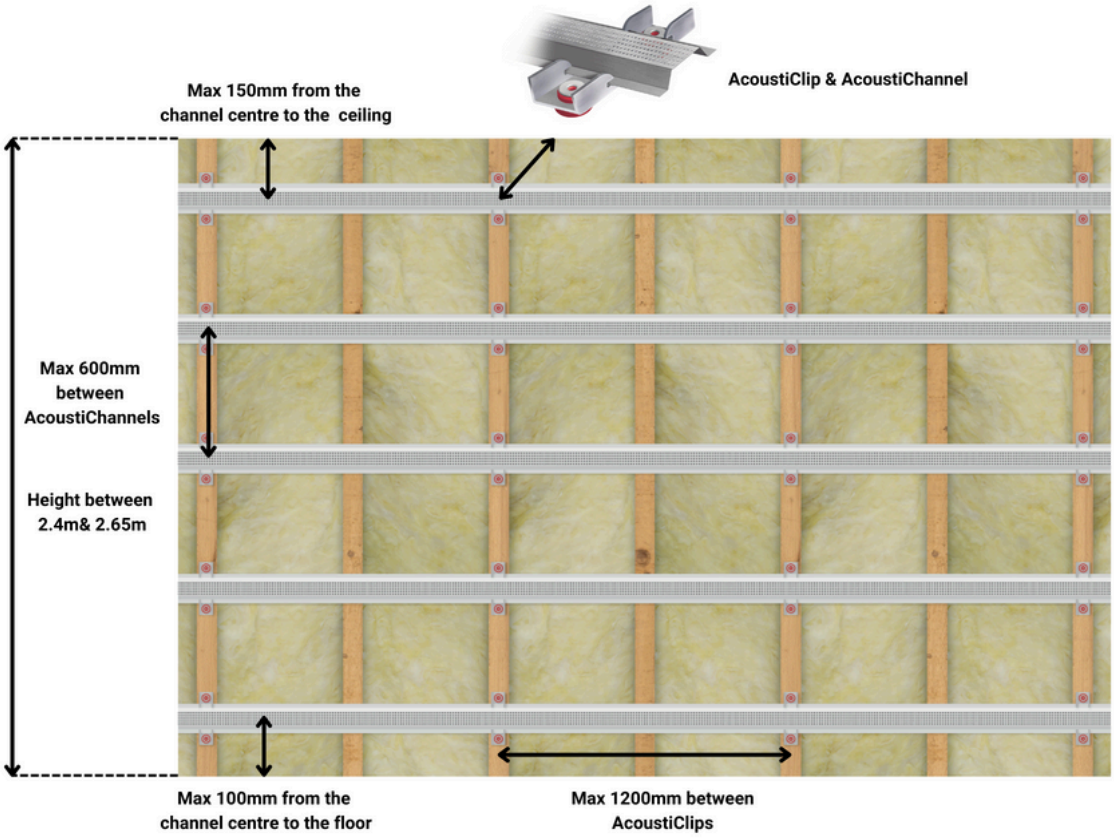
You can use the diagram below to find the best way to space the AcoustiClip and AcoustiChannel furring channels.

Five rows will be sufficient on most walls. Walls over 2.65m will require an additional row of clips and channels.

The AcoustiClip Stud System can be installed on existing stud walls, in front of solid partition walls and new stud walls.

AcoustiClip Layout Diagram

Maximum spacing horizontally 1200mm
Maximum spacing vertically 600mm
AcoustiClips are fixed at the end of each row 50mm maximum from the adjoining walls
Maximum 150mm from the ceiling to the channel centre and 100mm from the floor



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AcoustiClip Stud Wall
System Fitting Guide

Step 1.

Existing Stud Wall
Remove the plasterboard from one side of the wall.

Electrical outlets should be disconnected, and the cable should be lengthened to reinstate once the wall is completed.

Once you have prepared the wall, you can begin fitting your soundproof system.

Step 2.

Fill the cavity of the stud frame with the acoustic insulation slabs. Ensure the cavity is filled. Cut the insulation slightly larger than the opening, and the slabs will fit friction between the stud frame. Cut the slabs with a serrated edge knife; a breadknife will work well.

Step 3.

Fix the AcoustiClips to the wall. Once you have worked out the best layout for your wall, you can start attaching the clips. Don't overtighten the clips; a medium torque on the driver setting should be sufficient. The AcoustiClip will compress approximately 5mm when affixed. Fix the AcoustiClip to the wall using standard 55mm wood screws. Affix the clip to the stud frame through the dual fixing points. The red rubber feet sit on the stud frame.

- Maximum distance between clips is 1200mm
- Maximum distance between furring channels is 600mm
- Maximum distance from wall and clip is 50mm
- Maximum distance from the floor to the bottom row is 100mm
- Maximum distance from the ceiling to the top row is 150mm

Step 4.

Secure the AcoustiChannel into the AcoustiClip. Pinch the bridge of the furring channel into the teeth of the clip to secure it. To join lengths of AcoustiChannel, overlap them by 100mm and fix them together with drywall screws to secure them. Avoid overlapping the channel on a clip; join the channels between AcoustiClips.

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Step 5.

Installing the first layer of boards. Using drywall screws, the first layer of acoustic plasterboard is fixed to the AcoustiChannel. Use a minimum length of screw of 25mm for this layer. Screws should be every 200mm along the furring channel. Leave a 5mm gap between the bottom edge of the board, the floor, and from the ceiling and return walls. This can filled with acoustic sealant once this layer is installed. If gaps appear between the boards, use acoustic sealant to fill them.

Step 6.

Installing the final layer of boards. Use 50mm drywall screws to secure the Noisestop 1 Plus Panel. The pre-bonded mass-loaded vinyl membrane on the back of the board will be sandwiched between the two soundboards. Follow the same fitting instructions as the first layer.

Step 7.

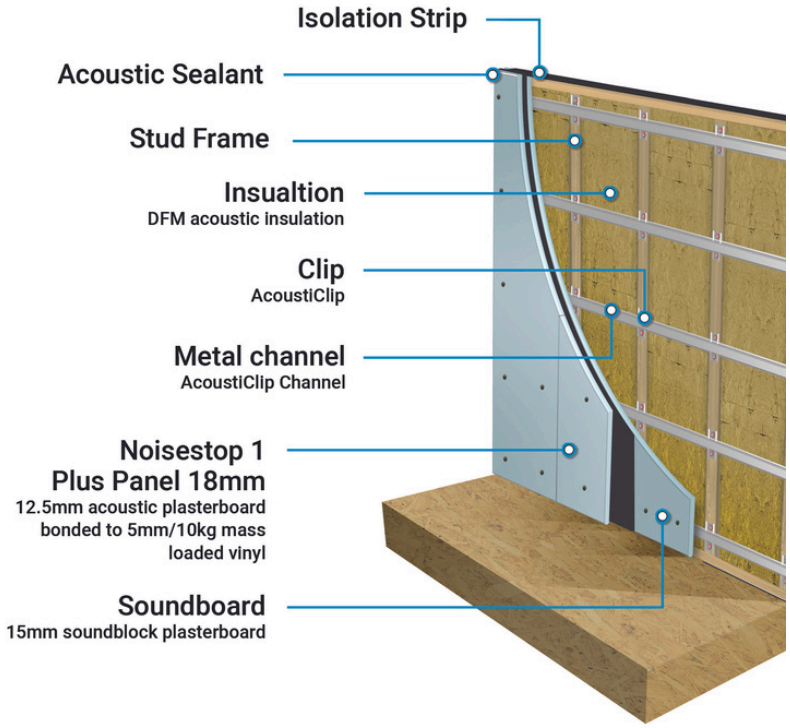
Finishing off your wall. The Acousticlip Systems final layer can be finished in the same way as standard plasterboard. A plaster skim can be applied, or the board's tapered edge can be filled before decorating. You can use lining paper or paint straight onto the boards.

Electrical outlets can be reinstated. To maintain the wall's acoustic integrity, we recommend using acoustic putty pads inside the bax boxes.

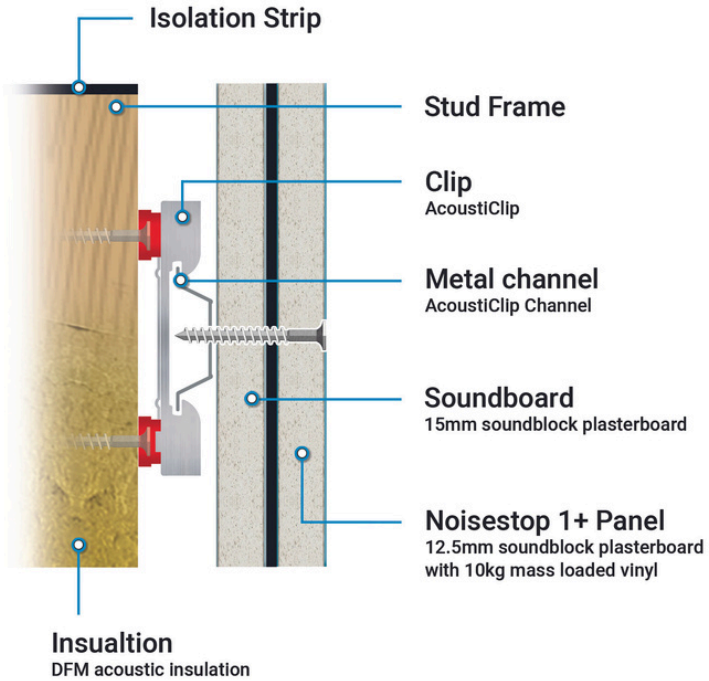
Skirting and coving can be reinstated.

AcoustiClip Stud Wall System Fitting Guide

AcoustiClip Stud Wall System



Cross Section AcoustiClip Stud Wall System



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