

# **Product Fitting Guide**

Noisestop Wall System 2



# How to install Noisestop Wall System 2



Soundproofing | Sound Absorption | Acoustic Insulation



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## Product Fitting Guide Wall System 2

### Thin wall soundproofing system at only 43mm this solution offers great soundproofing with limited space loss

Wall System 2 provides soundproofing for domestic party walls as well as forming an acoustic wall to be used as an internal lining to improve the sound insulation of existing walls.

## Fitting Wall System 2

Wall System 2 is one of the thinnest wall soundproofing systems available. This solution combines thin high density soundproof products to reduce airborne sound through party walls. System 2 is based on using 25mm battens fixed directly to the wall. The soundproofing is then installed as detailed. Fitting Wall System 2 reduces good levels of airborne sound and with space loss to the room of less than 50mm is one of the thinnest solutions for noisy neighbours.

### Wall preparation

Before you begin installing the new acoustic wall you should remove all wall decorations, skirting boards, coving and picture rails. Electrical outlets should be removed prior to any work, extend electrical cable as required to reinstate once the work is complete. All decorative features that have been removed can be reinstated once the wall is finished.

#### Step 1. Installing the frame

To ensure space loss to the room is kept to a minimum the battening should be fixed to the wall being soundproofed. The 25mm frame should be fixed to the wall using a strong no nails adhesive or mechanically fixed with nails or screws. Always ensure the batten is well secured to the wall before commencing the installation.

#### Step 2. Insulating the stud frame

The new stud frames should be filled with the DFM acoustic insulation. The stud frame should be filled with no gaps between the insulation or the insulation and the stud work.

Acoustic insulation can be cut with a hand saw or an old bread knife. Measure the opening between the studs and cut the insulation approximately 5mm wider. Cutting the slabs wider than the opening will mean the slabs will friction fit between the studs. You shouldn't need to use fixing to hold the slabs in place; if necessary a screw or nail can be fastened into the side of the stud to hold the insulation in place.

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#### *Step 3. Fitting the soundproof panels*

The soundproof panels are fastened to the stud work using dry wall or universal screws. You will not need to drill the panels before you attach them. Screw straight through the panel into the timber frame. Do not over tighten the screws, they should be flush or just below the surface of the plaster-board face.

# NOTE: the panels are fitted with the blue face of the acoustic plasterboard facing into the room. The mass loaded barrier mat on the back of the board faces into the wall.

When you reach the edges of the wall you will need to cut the soundproof boards. All Noisestop soundproof panels can be cut with a Stanley knife or hand saw. If you have power tools they can be cut with circular saws or a jigsaw.

It is important to ensure that every edge of the panels is well fitted and sealed. Do not leave gaps between the boards; ensure they are butted up together. Use AC50 acoustic sealant along the edges of each panel as you install them. Once you've fitted the first board run a bead of sealant along the edge and then push the next panel up to the board. This will guarantee each panel has been sealed along the edge with acoustic sealant. Once you have fitted all the boards you can go round the wall making sure any gaps have been filled with the acoustic sealant.

#### Step 4. Finishing you wall

Because all the soundproof panels in the Noisestop range are manufactured with a 12.5mm acoustic plasterboard with tapered edges you can chose to finish the panels in two different ways. Because these panels are plasterboard you can plaster skim straight on to the face of the panels using multi skim thin coat plaster. Alternatively the tapered edge along two edges of the panel can be taped, filled and sanded.

Reinstate your wall furniture as necessary. Electrical points can be fitted back into the wall. To avoid cutting out sections of the wall we would recommend surface mounted sockets. Always ensure that any areas that have been removed are sealed with acoustic sealant.

Products supplied in this soundproofing system are:

- DFM acoustic insulation 25mm/100kg/m<sup>3</sup> (A1 Non-combustible)
- Noisestop 1+ panel (½ hour fire rated)
- AC50 acoustic sealant

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