

## R – Bar Resilient Bar - For Isolating new wall / ceilings from the studwork.



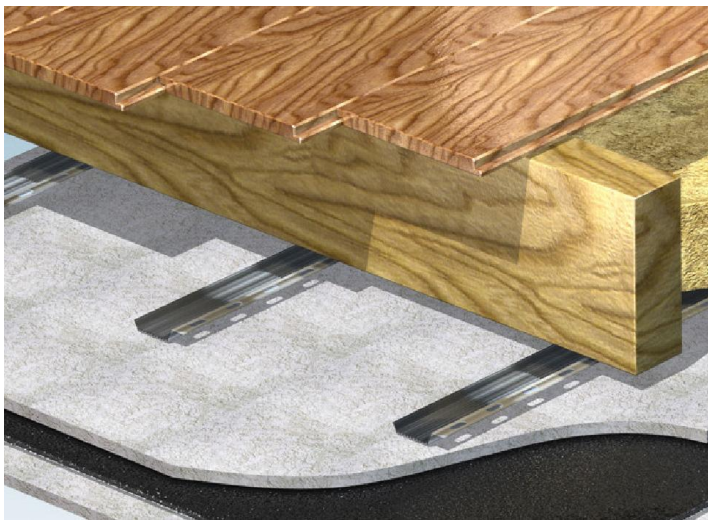
### Key Benefits

- Can be used on all types of walls and ceilings.
- Used with our other products it will meet PART E
- Easily cut with tin snips
- Extremely lightweight
- Supplied in 3 metre lengths

### Description

A vibration absorbing thin steel channel used on timber studs for walls and ceilings. This allows the new wall or ceiling to be de-coupled from the vibrating surface which will reduce both vibration and impact noise penetration.

Resilient Bars are essential to help bring suspended timber floors into compliance with the building regulations for noise control through converted separating floors for flats. Used in connection with other sound insulating materials we supply, the bars will create an effective acoustic break between the bottom of the existing joists and the ceiling.



If not fitted directly beneath the floor joists, Sound Reducing Resilient Bars can be supported by 50mm square battens screwed to the underside of any existing ceiling.

Plasterboard is then screwed to the corrugated section of the bar and for best results; two layers totalling 30mm thickness should be installed. Alternatively, two layers of 12.5mm plasterboard Sound Block can be used.

A greater sound insulation improvement can be gained if Acoustic Mineral Wool (AMW50) is installed between the battens before fixing the plasterboard.

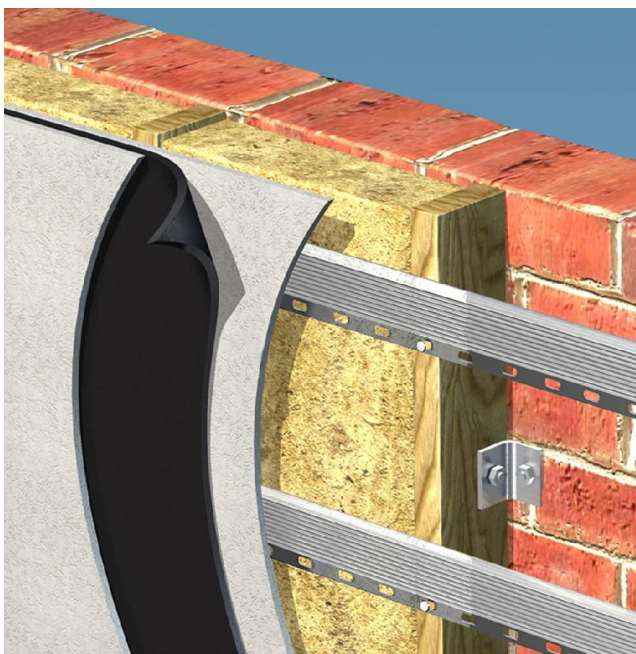
When installed beneath an existing ceiling with AMW50 and 30mm of plasterboard applied, improvements in both airborne noise and impact sound would normally

be well in excess of 300% this can be further enhanced if our Acoustic Membrane is sandwiched between the plasterboard layers.

Resilient Bars are also recommended to upgrade walls; particularly effective at reducing loud music or bass sound passing through the wall.

Ideally you would build a new stud batten frame spaced away from the current wall. This will create a sealed air gap between the new wall and the existing one. Fill in between the studs with our Acoustic Mineral Wool. This is friction fitted but should not be installed too tightly.

You would then screw our R Bars onto this frame horizontally at 600mm centres followed by a layer of 12.5 mm plasterboard. We would then advise using a layer of our SBM5 Soundproofing Mat bonded to the first layer of plasterboard with our Special Spray Adhesive. To finish the application, add a final layer of plasterboard. You need to make sure that both layers of plasterboard do not touch the surround walls or floor. Fill in the small gap with our Acoustic Sealant and then your whole system will be floating on the bars.



**ADDITIONAL INFORMATION AND INSTALLATION DETAIL CAN BE FOUND ON OUR WEBSITE**

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