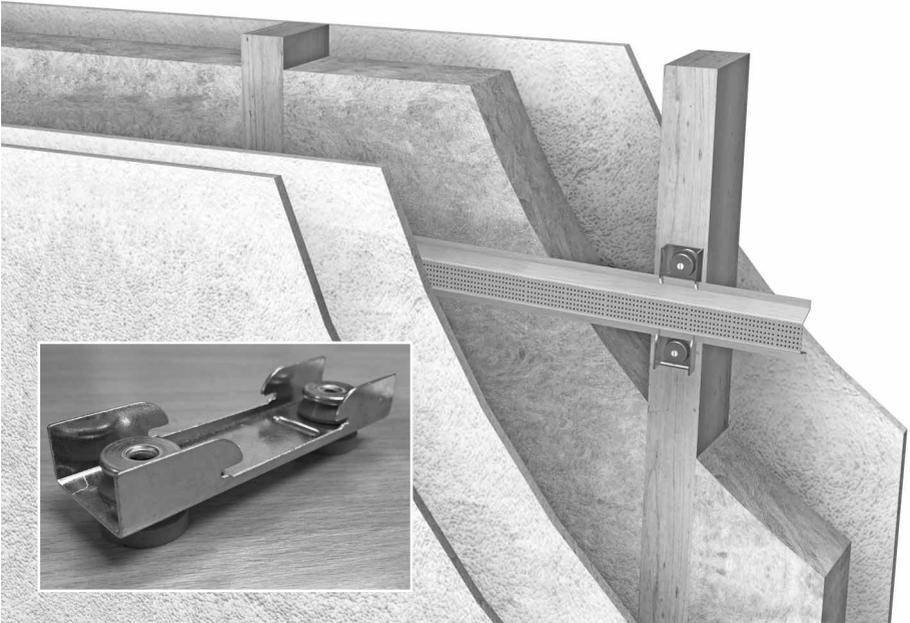


Isoblock & Isobar System

Installation instructions



DECOUPLING BAR AND ISOLATING BLOCK FOR ACOUSTIC FLOORS AND WALLS

- New build
- Refurbishments
- Conversions



PRODUCT DATA

Isobar size:	78 x 22 x 1800mm long
Composition:	Roll formed galvanised steel to BS EN 10346:2009
Weight:	approx. 0.44kg/lm
Isoblock size:	35 x 28 x 138mm long

DESCRIPTION

- ❑ Isocheck Isoblock & Isobar is a high performing sound reduction system designed to offer a more robust alternative to a standard resilient bar with similar low profile (space saving) features.
- ❑ The isocheck Isoblock and Isobar system comprises a vibration absorbing steel channel which is secured to studs and joists with isolation blocks.
- ❑ Attaching the isolation block to ceiling joists, timber and metal studs simply and easily secures the Isobar furring channel and decouples the gypsum board from the structure. The resulting construction provides a resilient isolation solution to enhance or construct separating and partition walls and ceilings.

APPLICATIONS

- ❑ The Isoblock and Isobar system is suitable for enhancing separating ceilings and walls.
- ❑ For low-cost, space saving ceilings and walls that provide superior noise control. Isocheck Isoblocks simply attach to ceiling joists, wall studs, or masonry and easily secure the Isobar furring channel.
- ❑ One or more layers of gypsum board are hung to this channel using good construction practices. Offering consistent high values than standard resilient bar, isocheck Isoblock ensures that installers are unable to inadvertently bridge the 'resilient' leg of the channel into the joist or stud.

Application	Description
(1) Timber stud wall	15mm gypsum board; 50 x 100mm timber stud; Fibreglass Insulation; Isoblock with 22mm drywall Isobar furring channel; 15mm gypsum board.
(2) Timber stud wall	as (1) with two layers of 15mm gypsum board.
(3) Timber frame wall refurbishment	15mm gypsum board; 50 x 100mm timber stud wall; 15mm gypsum board; Isoblock with 22mm Isobar furring drywall channel; Fibreglass insulation; 15mm gypsum board.
(4) Timber frame wall refurbishment	as (3) with two layers of 15mm gypsum board.
(5) Timber joist ceiling	Isoblock with 22mm drywall Isobar furring channel; 1 or 2 x 15mm gypsum boards.

INSTALLATION - GENERAL

- ❑ The isocheck Isoblock and Isobar system is designed to carry a Isobar furring channel with one or more layers of gypsum wallboard attached.
- ❑ Spacing of Isoblocks on the furring channel should be at maximum of 1200mm centres.
- ❑ Spacing between Isobar furring channels range from 600mm to 1200mm (please refer to the guidance diagrams to follow).
- ❑ All gaps around service outlets, window or door frames should be sealed with Isocheck FR acoustic sealant.

INSTALLATION - WALLS ONLY

- ❑ The first row of gypsum wallboard sheets at the bottom of the wall shall be installed with the long dimension supported on 5mm thick isocheck Isolation Strip.

INSTALLATION - CEILING ONLY

- ❑ The acoustic Isoblocks should be within 150mm of the ceiling perimeter at the end of the Isobar length. The first row of bar at the ceiling perimeter should be a maximum 150mm from the wall (see typical layout on back page).
- ❑ Furring channels are installed perpendicular to any framing members.

INSTALLATION

- ❑ Isoblocks may either be affixed before inserting the Isobar or slid onto the Isobar before fixing to the joist, wall, etc.
- ❑ Quickest installation is often achieved by pinching the Isobar bridge slightly at it's end, so that the Isoblocks can slide easily into position (figure 1).
- ❑ Fix the Isoblocks with suitable screws, through the circular metal inserts on each end (figure 2).

Care should be taken not to crush the rubber impact absorbers by over torquing the screws. An ideal setting is mid range so as to just make the walls of the red absorber bushes move slightly.

- ❑ Once secured, overlap bars by approximately 100mm and screw or wire together.
- ❑ Affix Isowave 23 or appropriate plasterboard to the Isobars with screws suitable for self drilling into a metal stud system at least 10 to 15mm beyond its collective depth (figure 3).
- ❑ When using multiple layers of board, increase the screws in length to compensate for the depth.

IMPORTANT

- ❑ **Never allow fixings to exceed the depth of construction, thus causing "bridging" to occur, as this will negatively affect acoustic isolation performance!**

If in doubt on any area, please call Isomass prior to commencement of work.

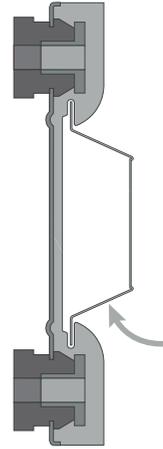


Figure 1

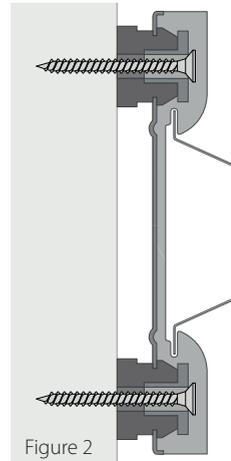


Figure 2

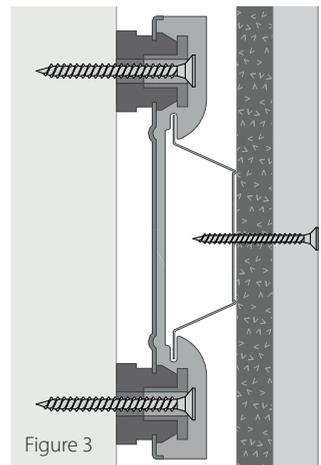
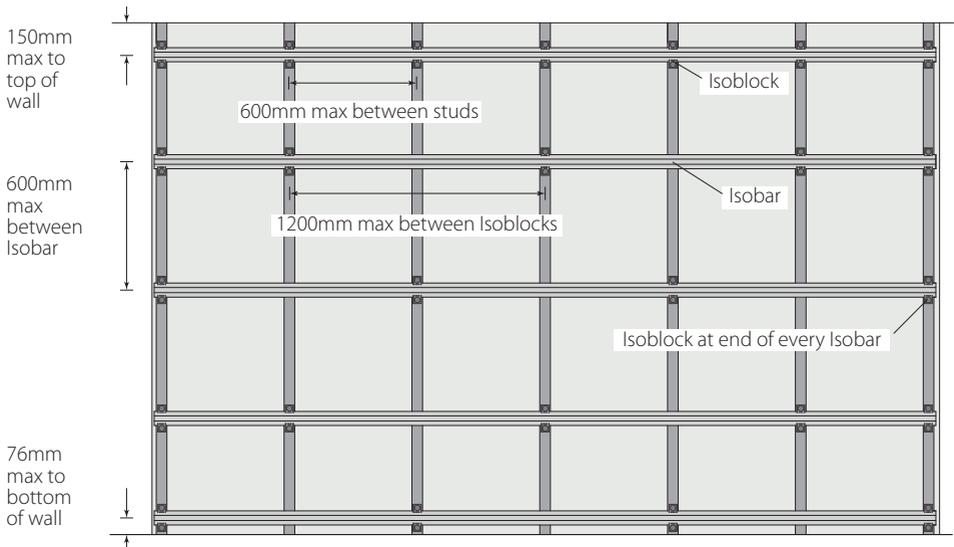
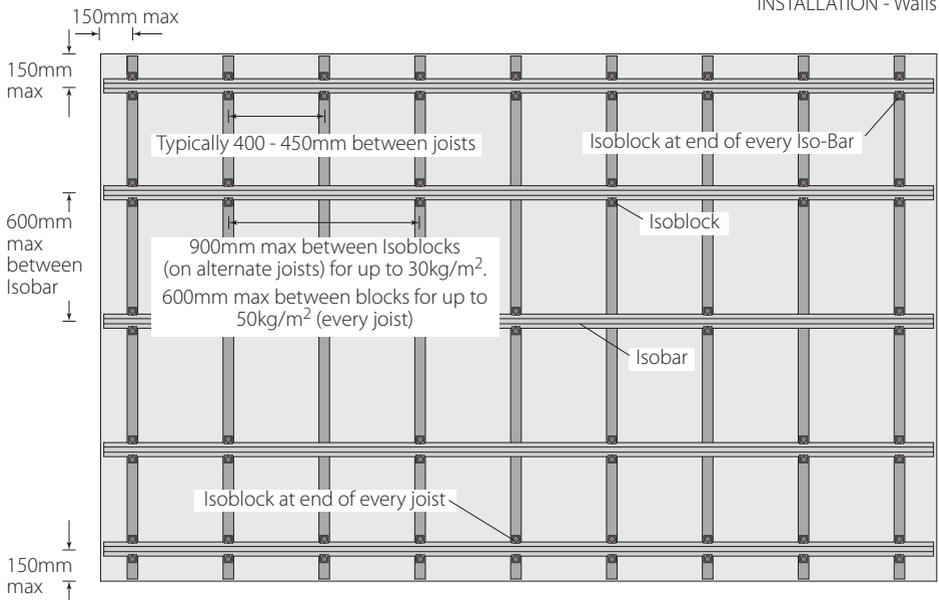


Figure 3



INSTALLATION - Walls



INSTALLATION - Ceilings

Every effort has been taken in the preparation of this sheet to ensure the accuracy of representations contained herein. Recommendations as to the use of materials, construction details and methods of installation are given in good faith and relate to typical situations. However, every site has different characteristics and reliance should not be placed upon the foregoing recommendations. Advice can be given as to specific applications of the products, upon request to isomass building products.