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One of the isomass systems range

isocheck™

Isowave 23 System for walls

AIRBORNE AND FLANKING IMPROVEMENT SYSTEM

- New build
- Refurbishments
- Conversions

TESTED BY NHBC ACOUSTIC SERVICES

Institute of Acoustics sponsoring organisation

MADE IN THE UK

QAS INTERNATIONAL ISO 9001:2008 REGISTERED COMPANY

Taking the *mystery* out of Acoustics

DESCRIPTION

- The Isowave 23 system is for the treatment of excessive flanking sound that bypasses a separating floor via lightweight structural walls.
- Isowave 23 consists of a 10mm Isowave acoustic foam measured to BS 4443 and BS EN ISO 845:2009 bonded to 12.5mm high density, square edged fibre-reinforced gypsum board.
- Isowave 23 is ideal for upgrading a separating or external masonry wall which is causing flanking noise transmission (often revealed as the cause of a separating floor test failure) or used on independent studwork to upgrade an existing separating wall that is found to perform poorly for airborne sound transmission.
- When incorporated within a ceiling or wall construction as detailed, Isowave 23 will individually achieve ½ hour fire protection.

APPLICATIONS

- To construct or upgrade separating ceilings for conversions, new build and refurbishments projects.

E1 CHANGE · E1 NEWBUILD · DOMESTIC · N · R · C

isocheck™ acoustic insulating products

isocheck™ airborne & flanking improvement system

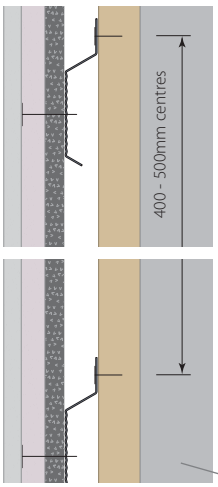
Product data

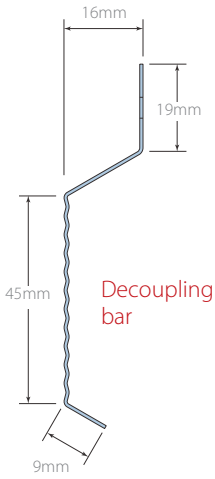
Overall board size:	1200mm x 600mm x 22.5mm
Resilient layer thickness:	10mm
Density:	1300 Kg/m^3
Weight:	17.3kg/m^2

Performance

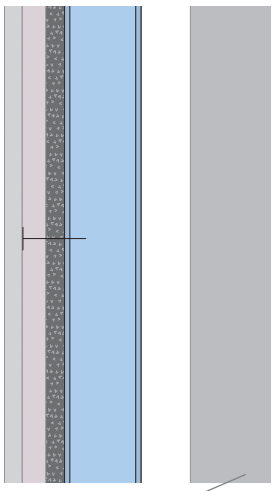
Reduces unwanted flanking noise in order to comply with Approved Document E 2003 and subsequent amendments in 2004, 2010, 2013 & 2015.

Detail 1





Detail 2



Blockwork cavity or solid brickwork

SPECIFICATION

The acoustic floor shall be:

- Isocheck Isowave 23 supplied by Isomass Ltd. Units 10 & 11, Avenue Business Park, Elsworth, Cambridgeshire CB23 4EY and installed in accordance with manufacturer's instructions / recommendations.

Detail 1

- 12.5mm tapered-edged plasterboard with all joints taped.
- Isowave 23.
- Decoupling bar fitted to vertical battens at 400 - 500mm centres on brick / block wall construction.

Detail 2

- 12.5mm tapered-edged plasterboard with all joints taped.
- Isowave 23 on timber or metal stud.
- Air space between stud and brick / block wall construction.

INSTALLATION

- Fix securely to all supports working from the centre of each board outward to the edges using the specified method of fixing at 250mm maximum centres with countersunk cross-slot screws 3.9 x 30mm positioned through the decoupling bar and avoiding the timber wall battens (Detail 1) or into the metal 'I' beam (Detail 2). Position fixings not less than 20mm from board edges and 50mm from corners.
- The heads of all fixings should be sunk into the surface of the board and stopped with joint filler.
- The square edged cement particle board should be sealed with an intumescent sealant, joints to be a maximum 1mm wide. Any excess adhesive to be removed using a spatula once the adhesive has fully hardened.
- A 9.5mm or 12.5mm tapered edge plasterboard with all edges taped should then be fitted. Skim and lightly sand if required.
- Where electric socket boxes and light switches are installed the back of the box should be isolated with Isocheck Impacta Pads.

For advice on treatment of services and penetrations, consult our brochure or visit our website.

Please ask Isomass for guidance when considering the weight of any new blocks which will be incorporated in a wall directly surrounding a timber separating floor.

www.isomass.co.uk
www.monodeck.co.uk

isomass® building acoustics

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