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One of the isomass systems range

isocheck™

Isowave 23 System for ceilings



AIRBORNE AND FLANKING IMPROVEMENT SYSTEM

- Refurbishments
- Conversions
- New build

Independently laboratory tested

Institute of Acoustics Sound•Noise•Vibration 50 1974-2024 Sponsoring Organisation

MADE IN THE UK

QAS International ISO 9001:2015 REGISTERED COMPANY

Taking the *mystery* out of Acoustics

DESCRIPTION

- Isowave 23 system for ceilings can reduce excessive noise transfer thanks to its unique combination of heavy weight board with absorptive acoustic foam layer. It is ideal for upgrading separating floors/ceilings where access to the top of the floor is not possible.
- Isowave 23 incorporates acoustic foam which is semi rigid and is an excellent absorber with high damping characteristics when bonded to an acoustically reflective stiff surface.
- The board and foam layers of Isowave 23 carry independent fire test certificates.

APPLICATIONS

- To construct or upgrade separating ceilings for noise sensitive projects.



isocheck™
acoustic insulating products

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Isowave 23 system for ceilings

Product data

Overall board size:	circa 1197mm x 597mm x 22.5mm
Resilient layer:	10mm
Board density:	1300 Kg/m^3
Foam density:	less than 90kg/m^3
Weight:	17.3kg/m^2
Acoustic performance:	Ceiling dependent; please contact Isomass

Performance

Compliance with Approved Document E standards can be achieved; please contact Isomass with specific requirements.

Isowave 23 component parts perform under the following classifications:

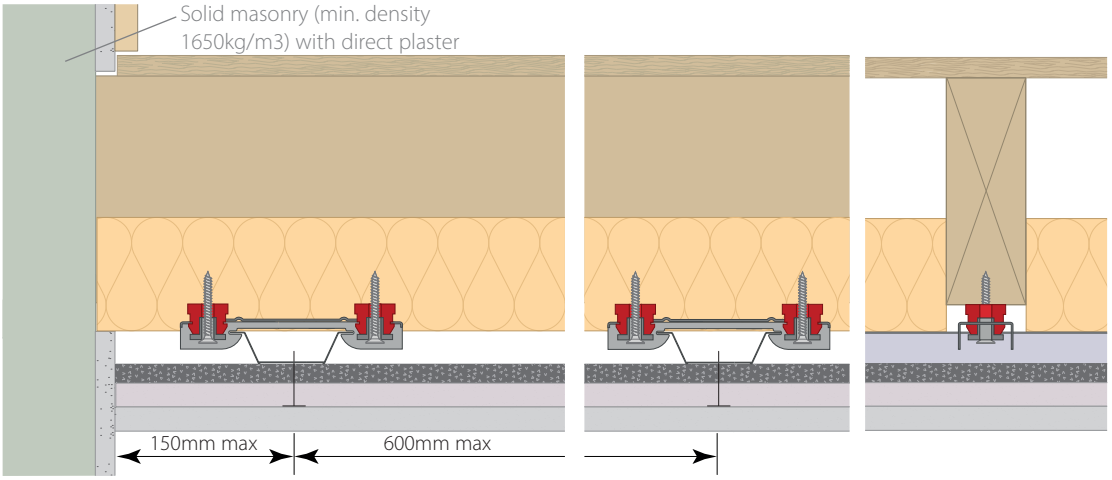
- Fire protection 30 minutes (for a single layer of board)
- BS476-7 Fire Propagation Index <12 (foam layer)
- BS476-6 Surface Spread of Flame Class 1 (foam layer)
- Building Regulations Paragraph A13 (b) Class O (spread of flame)

NB: Please contact Isomass for any fire protection-specific project

SPECIFICATION

The acoustic ceiling shall be:

- Isocheck Isowave 23, supplied by Isomass Ltd. Unit 14 Papworth Business Park, Stirling Way, Papworth Everard, Cambridgeshire CB23 3GY and installed in accordance with manufacturer's instructions / recommendations.



Typical Detail

- 200mm x 70mm timber joists @ 450mm centres.
- 100mm 45kg/m^3 insulation between joists.
- Isoblock & Isobar system fitted to joists at max. 600mm centres and 150mm from edges. See separate data sheet.
- Isowave 23.
- Min. 12.5mm thick fire and sound grade plasterboard

TYPICAL 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 (eg. drywall type) located through the Isocheck Isobar - See separate Isoblock and Isobar installation guide. Isowave 23 boards should be installed foam side uppermost.
- Do not over-sink screw heads, to avoid board damage. Do not insert screw fixings closer than 15mm to board edges.
- The square edged Isowave 23 boards should be tightly abutted to each other and remaining gaps or holes sealed with Isocheck Acoustic FR Sealant. Any excess excess sealant to be removed once it has full hardened.
- A min. 12.5mm thick sound-grade fire rated plasterboard layer should then be installed with tightly abutted, staggered joints and any remaining gaps or holes sealed with Isocheck Acoustic FR Sealant. Skim and lightly sand if required.

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.

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 Ltd.

isomass® building acoustics

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