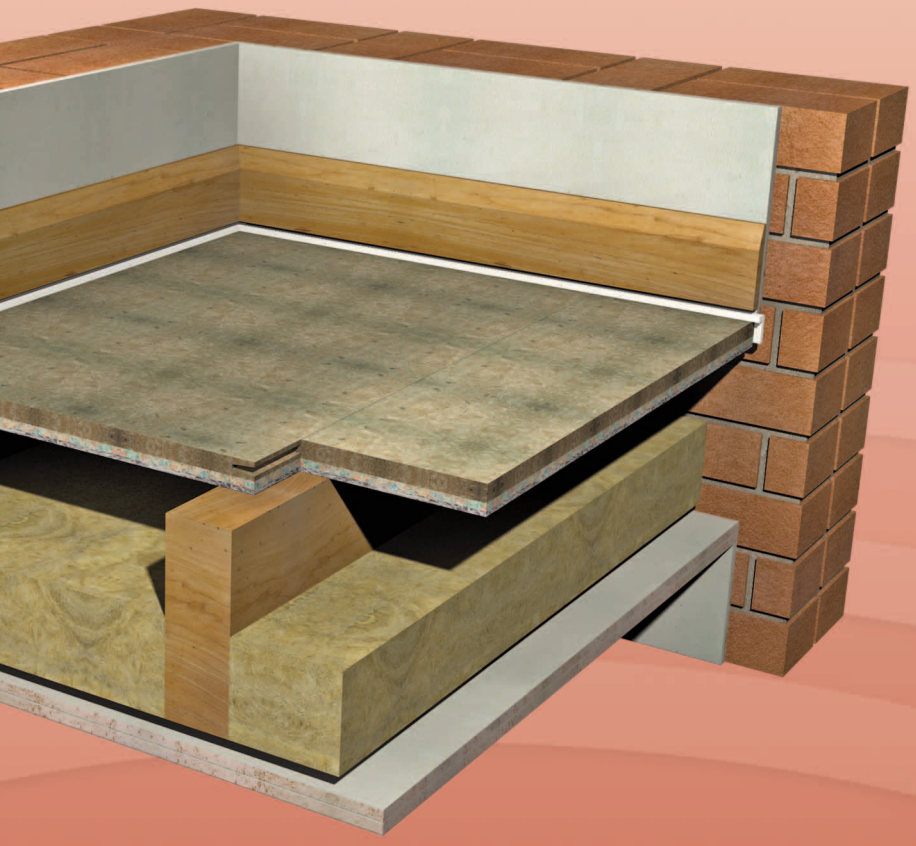
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One of the isomass systems range

isocheck™

32T Acoustic Floor System



DIRECT TO JOIST OR OVERLAY SYSTEM (using a decoupled ceiling)

- New build
- Refurbishment
- Conversions
- Noise complaint upgrade

TESTED BY NHBC ACOUSTIC SERVICES

Institute of Acoustics 50 1974-2024 Sponsoring Organisation

MADE IN THE UK

QAS International ISO 9001:2015 REGISTERED COMPANY

Taking the *mystery* out of Acoustics

DESCRIPTION

- The Isocheck 32T acoustic floor system is designed to reduce airborne and impact sound transmission and provide an element of thermal enhancement for traditional joisted timber floors.
- Isocheck 32T consists of 22m P5 V313 moisture resistant T&G chipboard bonded to a laminated layer of ACF (Acoustic Chip Foam) and Isofiba.
- When installed as part of a complete sound reduction system, it enables a timber floor to meet the sound transmission regulations of Approved Document E 2003 and subsequent amendments in 2004, 2010, 2013 and 2015.

APPLICATIONS

- To be used over new or existing joists for new build, refurbishments or conversions with a new decoupled ceiling.
- Can also be used as a high performance overlay onto existing floorboards for max noise reduction.



isocheck™
acoustic insulating products

isocheck™

overlay acoustic floor system

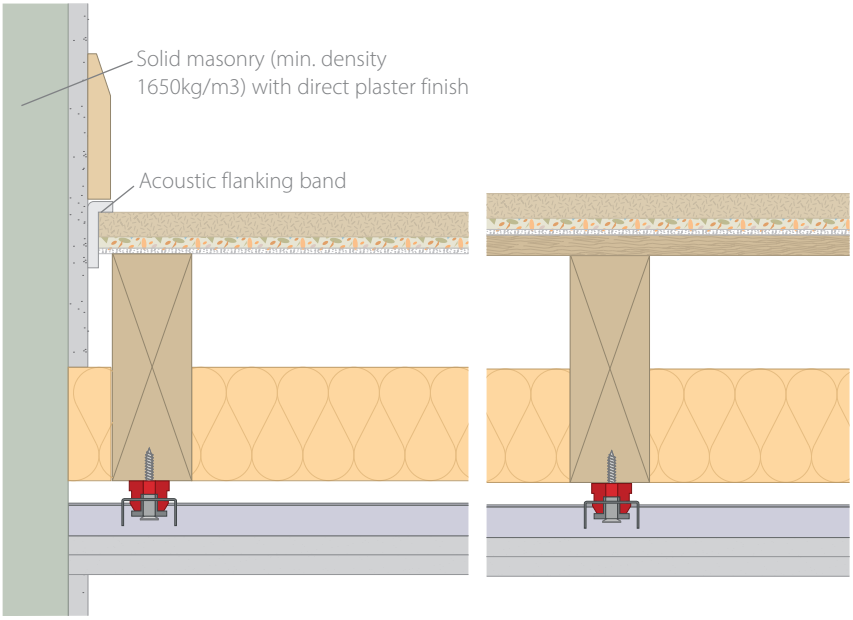
Product data

Overall size:	2400mm x 600mm x 32mm (Thickness reduced under load)
Resilient layer:	Combined laminated layers of 6mm reconstituted ACF (Acoustic Chip Foam) and 5.5mm Isofiba
Weight:	23.0kg per sheet

Typical performance expectations (on the constructions illustrated)

	Airborne		Impact	
Treated floor with:	$R_w + C_{tr}$	$D_{nT,w} + C_{tr}$	L'_{nw}	$L'_{nT,w}$
Isocheck 32T with Isocheck Isoblock and Isobar ceiling	**c. 53dB**	**c. 48dB**	**c. 48dB**	**c. 54dB**

Site results (in red) for Building Control approval. Laboratory results (in blue) for comparison.*



- Isocheck 32T laid directly on joists or on existing floorboards
- 200mm x 70mm timber joists @ 450mm centres.
- 100mm 45kg/m³ insulation between joists.
- Min. 20kg/m² double boarded min. 25mm o/a plasterboard on Isocheck Isoblock and Isobar system.
- Acoustic flanking band reduces impact vibration leaking via structural walls and assists in reducing airborne sound paths.

SPECIFICATION

The acoustic floor shall be:

- Isocheck 32T system, supplied by Isomass Ltd. Unit 14 Papworth Business Park, Stirling Way, Papworth Everard, Cambs CB23 3GY and installed in accordance with manufacturer's instructions / recommendations.

INSTALLATION

- Apply Isocheck Acoustic Angled Flanking Band on the edges of the Isocheck boards before they are pushed against the perimeter walls to isolate the board from the wall.
- Lay Isocheck 32T directly to the timber joists or to floorboards, in brick bond pattern, applying Isocheck adhesive to all tongued and grooved panel joints without the need for mechanical fixings.
- Install skirting and trim off excess Flanking Band.
- Full installation instructions are available and must be used in conjunction when laying this floating floor system.
- NB: When removing existing floorboards to replace with Isocheck 32T additional strengthening in the form of noggins etc. may be required. please consult with a qualified structural engineer if in any doubt.

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.

*Laboratory results are predicted to enable a comparison.

www.isomass.co.uk

isomass® building acoustics
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