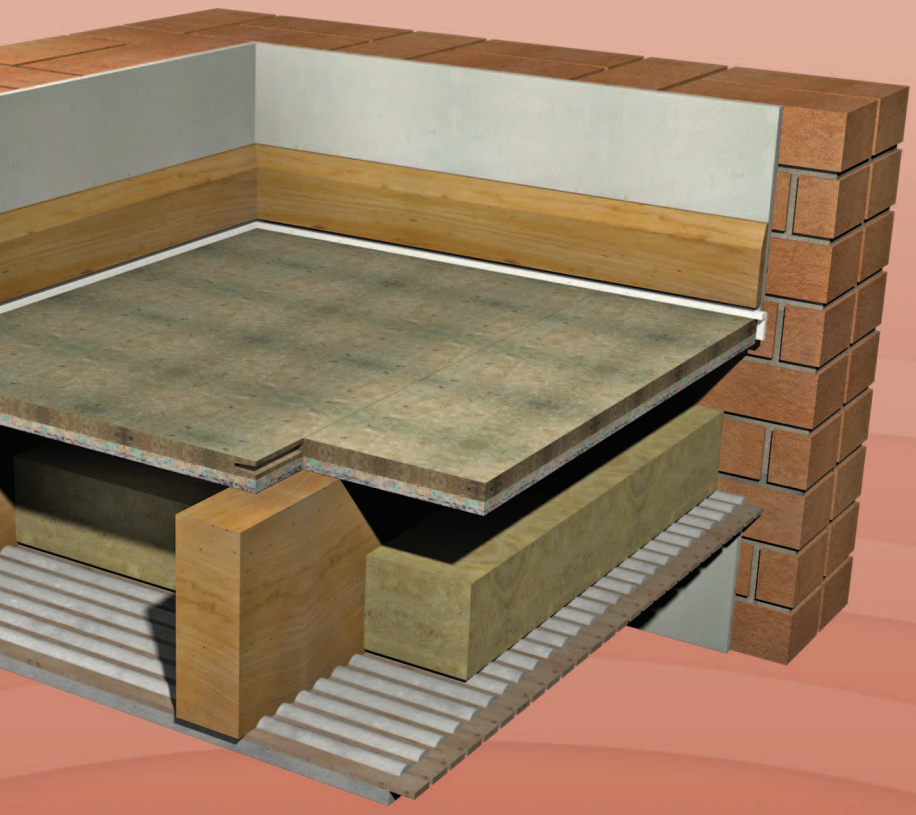
Issue 2.15 January 2026

One of the isomass systems range

isocheck™ 37T System



DIRECT TO JOIST SYSTEM

- Conversions
- Refurbishment

TESTED BY NHBC ACOUSTIC SERVICES

Institute of Acoustics Sound·Noise·Vibration 1974–2024 Sponsoring Organisation

MADE IN THE UK

QAS International ISO 9001:2015 REGISTERED COMPANY

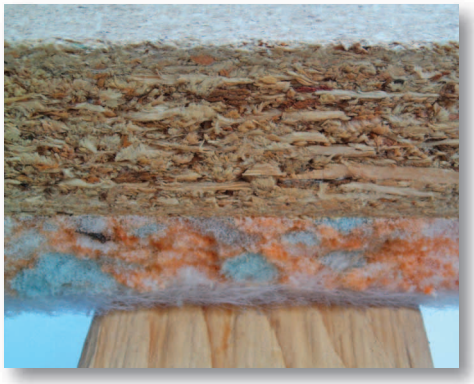
Taking the *mystery* out of Acoustics

DESCRIPTION

- The Isocheck 37T system is designed to replace floorboards and reduce both airborne and impact sound transmission.
- Isocheck 37T consists of a unique combination of a 10mm reconstituted ACF (acoustic chip foam) and the added isolation of a 5.5mm isofiba layer, bonded to 22mm P5 V313 tongued and grooved moisture resistant chipboard.
- 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 conversion and refurbishment projects.



isocheck™ acoustic insulating products

isocheck™

Direct to joist acoustic floor

Product data

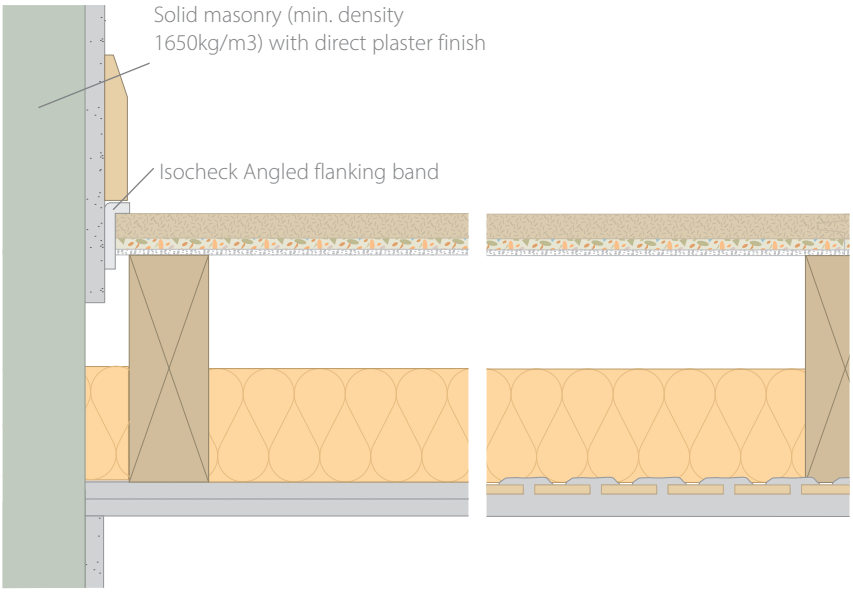
Overall size:	2400mm x 600mm x circa 37mm
Resilient layer thickness:	circa 15.5mm
Resilient layer:	10mm reconstituted ACF (Acoustic chip foam) and 5.5mm Isofiba
Weight:	23.6kg per sheet

Typical performance expectations (on the construction illustrated)

Treated floor with:	Airborne $D_{nT,w} + C_{tr}$	Impact $L'_{nT,w}$
Isocheck 37T and boarded ceiling as shown	**46dB**	**57dB**

Site results (in red) for Building Control approval.

*NB: Joist depth and quality/ thickness of the ceiling can significantly affect acoustic performance. Please contact Isomass for technical guidance before specifying Isocheck 37T.



- Isocheck 37T.
- 200mm x 70mm timber joists @ 450mm centres*.
- 100mm 45kg/m³ insulation between joists.
- Lath & Plaster ceiling or 30mm o/a double boarded ceiling (min. 22kg/m2 combined) fixed to timber joists.
- Isocheck Angled Flanking Band reduces impact vibration leaking via structural walls and assists in reducing airborne sound paths.

Note: Tested only with directly fixed ceilings without resilient bars.

** Additional floor support may be required - commonly in the form of additional noggins and perimeter support .*

SPECIFICATION

The acoustic floor shall be:

- Isocheck 37T system, 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.

INSTALLATION

- Apply Isocheck 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.
- Additional floor support may be required - commonly in the form of additional noggins etc.
- Lay Isocheck 37T directly to the timber joists, 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.

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 blockwork 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

www.isomass.co.uk

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