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One of the isomass systems range

isocheck™
37T System

Recyclable post-use

OVERLAY PLATFORM SYSTEM DIRECT TO JOISTS

- 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 Isocheck 37T system is designed to replace floorboards and reduce sound transmission whilst thermally enhancing traditional joisted timber floors.
- Isocheck 37T consists of a unique combination of a 10mm reconstituted ACF (acoustic chip foam) and the added isolation of a 5mm isofiba layer, bonded to 22mm P5 V313 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 conversions.

E1 CHANGE

C

isocheck™
acoustic insulating products

isocheck™

overlay acoustic floor system

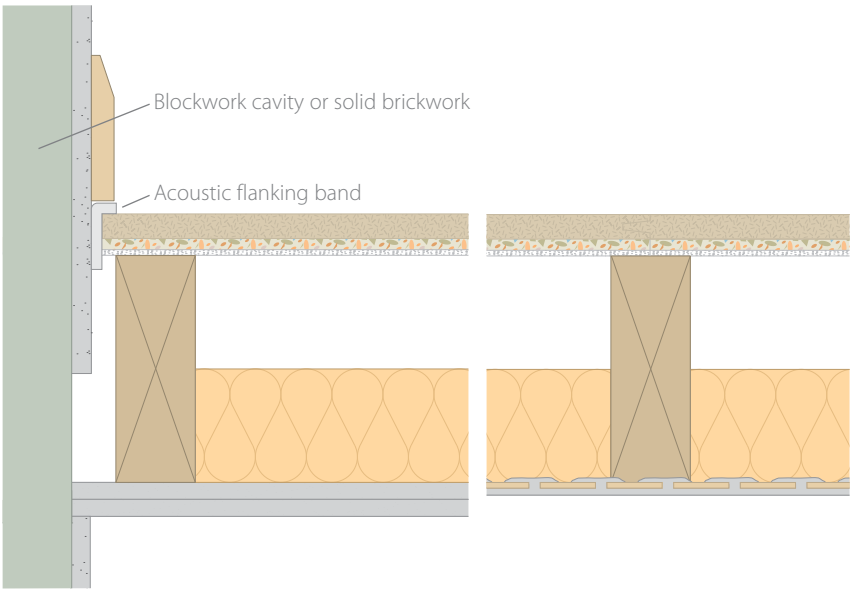
Product data

Overall size:	2400mm x 600mm x 37mm
Resilient layer thickness:	15mm
Resilient layer:	10mm reconstituted ACF (Acoustic chip foam) and 5mm Isofiba
Weight:	23.6kg per sheet

Typical performance expectations (on the constructions illustrated)

Treated floor with:	Airborne $R_w + C_{tr}$	Airborne $D_{nT,w} + C_{tr}$	Impact L'_{nw}	Impact $L'_{nT,w}$
Isocheck 37T with boarded ceiling	**53dB**	**46dB**	**51dB**	**57dB**

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



- 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 20kg/m²) fixed to timber joists.
- acoustic 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.*

SPECIFICATION

The acoustic floor shall be:

- Isocheck 37T system, supplied by Isomass Ltd. Units 10 & 11, Avenue Business Park, Elsworth, Cambridgeshire CB23 4EY 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 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 blocks which will be incorporated in a wall directly surrounding a timber separating floor.

*Laboratory results are predicted to enable a comparison

www.isomass.co.uk
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isomass® building acoustics

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