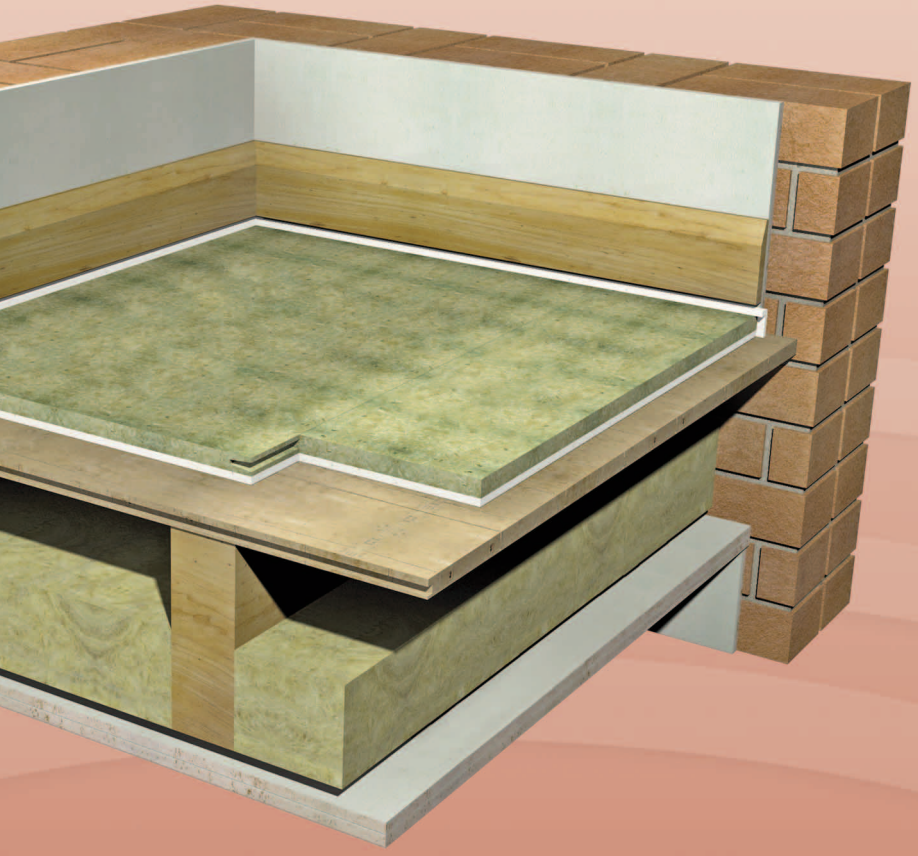
Issue 3.8• January 2026

One of the isomass systems range

isocheck™

28T, 24T, & 15T Systems



OVERLAY ACOUSTIC FLOOR SYSTEM DIRECT TO FLOORBOARDS

- New build
- Refurbishments
- Conversions forming material change of use
- Listed buildings

MADE IN THE UK

TESTED BY NHBC ACOUSTIC SERVICES

Independently laboratory tested

Institute of Acoustics 1974-2024 Sponsoring Organisation

QAS International ISO 9001:2015 REGISTERED COMPANY

Taking the *mystery* out of Acoustics

DESCRIPTION

- Isocheck 28T, 24T, and 15T are high performance systems designed to reduce sound transmission through traditional joisted timber floors.
- Isocheck 28T and 24T consist of a 5.5mm layer of Isofiba bonded to 22mm or 18mm P5 V313 moisture resistant chipboard, whereas Isocheck 15T consists of a 5.5mm layer of Isofiba bonded to 9mm moisture resistant MDF.
- 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 to date

APPLICATIONS

- To be used over existing floorboards for new build, refurbishments or conversions with an Isoblock and Isobar or proprietary metal frame suspended ceiling.



Isocheck 15T

isocheck™
acoustic insulating products

isocheck™

overlay acoustic floor system

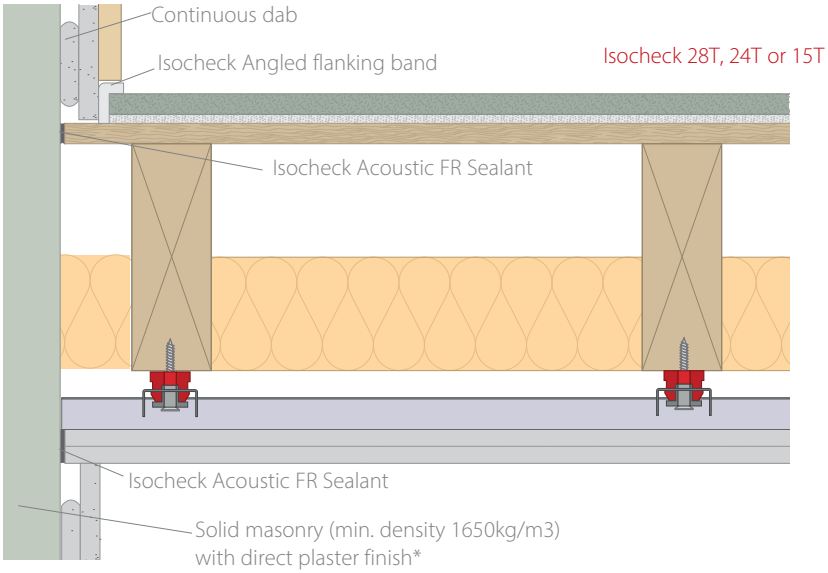
Product data

Overall size:	Isocheck 28T	2400mm x 600mm x circa 28mm
	Isocheck 24T	2400mm x 600mm x circa 24mm
	Isocheck 15T	1200mm x 600mm x circa 15mm
Resilient layer:		Circa 5.5mm Isofiba
Weight:	Isocheck 28T	23.0kg per sheet
	Isocheck 24T	19.0kg per sheet
	Isocheck 15T	5.2kg per sheet

Typical performance expectations (refer to the construction illustrated)

	Airborne		Impact	
Treated floor with:	$R_W + C_{tr}$	$D_{nT,w} + C_{tr}$	L'_{nw}	$L'_{nT,w}$
Isocheck 28T	**57dB**	**50dB**	**48dB**	**55dB**
Isocheck 24T	**56dB**	**49dB**	**48dB**	**55dB**
Isocheck 15T	**55dB**	**48dB**	**45dB**	**52dB**

Site results (in red) for Building Control approved projects. Previous/predicted laboratory results (in blue) for comparison.



* Please ask Isomass for guidance when considering the weight of any new or existing blockwork which will be incorporated in a wall directly surrounding a timber separating floor, as flanking noise transmission must be considered within any multiple occupancy project.

- Isocheck 28T, 24T, or 15T over floorboards.
- 200mm x 70mm joists @ 450mm centres with100mm 45kg/m³ insulation between joists.
- Min. 20kg/m² double boarded 25mm o/a plasterboard on Isocheck Isoblock and Isobars system or proprietary MF ceiling suspended via Isocheck Acoustic Hangers.

Thermal rating:

Isocheck 15T has been independently heat-flow tested and showed the following ratings:

Thermal conductivity: **0.069W/mK**

Thermal resistance: **0.203m²K/W**

SPECIFICATION

The acoustic floor shall be:

- Isocheck 28T, 24T or 15T 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 Acoustic Angled Flanking Band on the edges of the Isocheck boards just before they are pushed against the perimeter walls to isolate the board from the wall.
- Lay Isocheck 28T, 24T or 15T over a structural timber sub-floor, in brick bond pattern, applying Isocheck D3 adhesive to all tongued and grooved panel joints.
- Isocheck 28T, 24T, or 15T must not be mechanically fixed to the subfloor.
- 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.

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.

www.isomass.co.uk

isomass® building acoustics

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