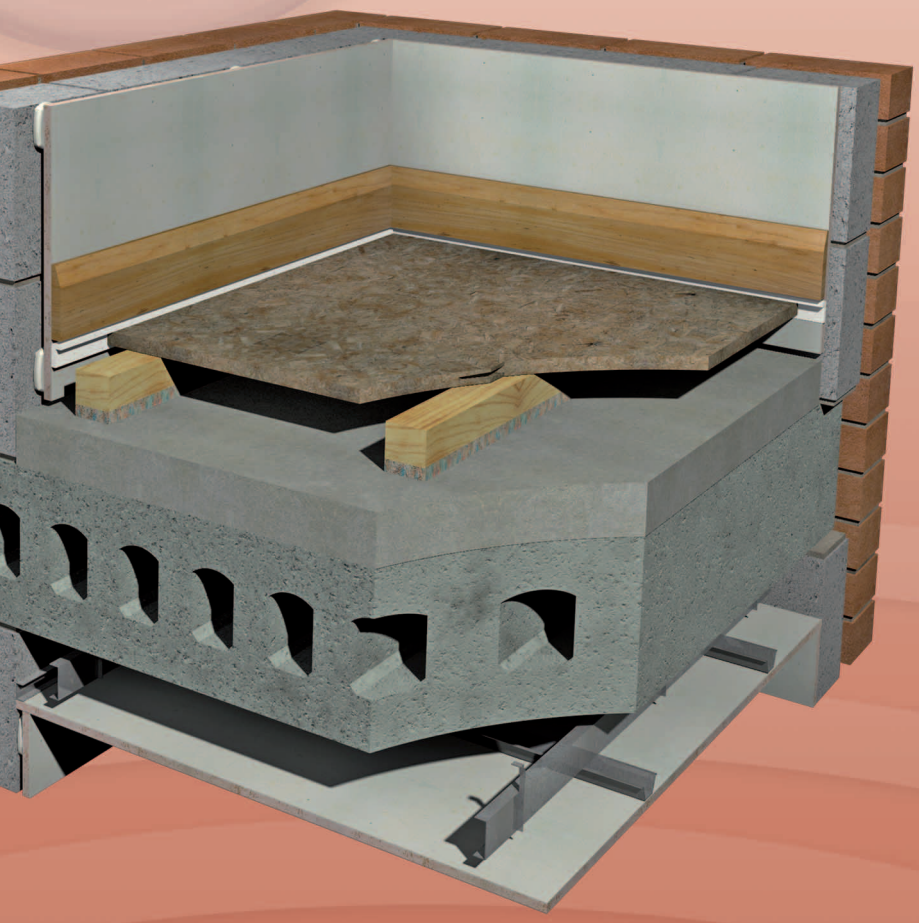
Issue 3.9 January 2026

One of the isomass systems range

isocheck™

Shallow Batten System



SUSPENDED SYSTEM FOR CONCRETE AND TIMBER FLOORS

- New build
- Conversions
- Refurbishments

Independently laboratory tested

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

MADE IN THE UK

QAS International ISO 9001:2015 REGISTERED COMPANY

We take the *mystery* out of Acoustics

DESCRIPTION

- The Isocheck Shallow Batten system is designed to reduce sound transmission through a concrete or timber structural sub-floor.
- Isocheck Shallow Batten consists of a layer of 10mm or 15mm Acoustic Chip Foam bonded to a FSC-certified 35mm softwood batten. Other batten heights maybe available. Please contact Isomass.
- When installed as part of a complete party floor construction it enables a concrete or timber floor to meet the noise transmission standards of ADE 2003 and subsequent amendments in 2004, 2010, 2013 & 2015.
- May be installed in conjunction with underfloor heating systems and other floor constructions.

APPLICATIONS

- To be used over smooth, level concrete or timber floors for new build projects, refurbishments and conversions.



isocheck™
acoustic insulating products

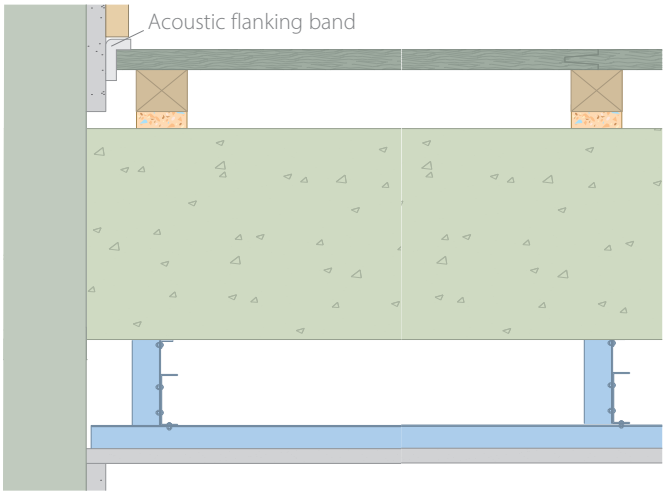
isocheck™

suspended acoustic floor system

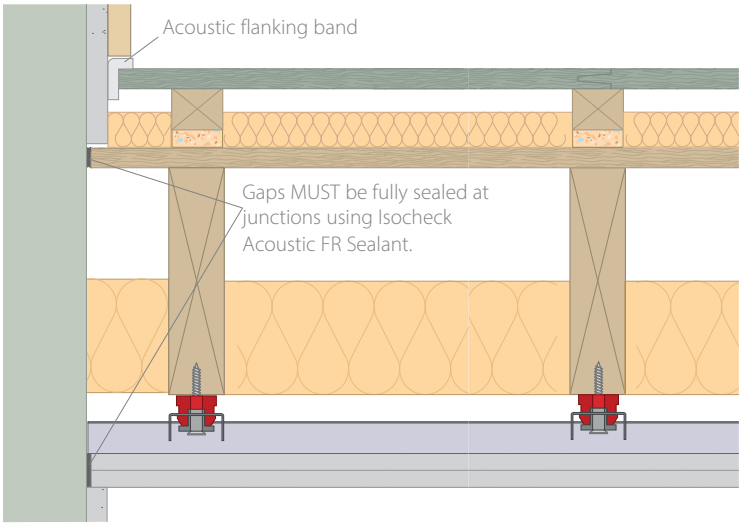
Product data

Overall size:	45mm x 45mm x 1800mm 45mm x 50mm x 1800mm
Resilient layer thickness:	10mm ACF (45mm) 15mm ACF (50mm)
Resilient layer:	ACF (Acoustic Chip Foam)

May be suitable for compliance with new build Robust Details
Please contact Isomass



- Min. 18mm proprietary T&G deck
- Isocheck Angled Flanking Band (reduces impact vibration leaking via structural walls and assists in reducing airborne sound paths).
- Isocheck Shallow Batten 45 @ 400mm max. centres.
- Optional 25mm APR insulation between battens
- ≥2400kg/m³ level, smooth concrete slab
- Metal frame suspended ceiling with min. 80mm void and 10kg/m² plasterboard.



- Min. 18mm proprietary T&G deck
- Isocheck Shallow Batten 45 @ 400mm max. centres.
- 25mm APR insulation between battens
- Min. 18mm proprietary T&G deck
- Min. 195mm timber joists
- 100mm mineral fibre insulation between joists - min. 45kg/m3 density
- Isocheck Isoblock and Isobar system
- Two layer of 15mm plasterboard, min combined mass 20kg/m2
- Isocheck Angled Flanking Band reduces impact vibration leaking via structural walls and assists in reducing airborne sound paths.

SPECIFICATION

The acoustic floor shall be:

- Isocheck Shallow Batten system (45 or 50mm), 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

- The working deck should comprise a smooth level concrete surface or level proprietary boarding (structural grade).
- Lay Isocheck Shallow Batten foam side down, at 400mm max. centres.
- Battens must be installed perpendicular to joists below or directly above and in line with joists below when installing on timber based floor structure.
- Install insulation quilt between battens as required.
- Overlay battens with min. 18mm thick proprietary T&G board.
- Perimeter expansion gaps should be filled with Isocheck Angled Flanking Band (see diagram).
- Install skirting and trim off excess Flanking Band.

Full installation instruction are available and must be used when laying this floating floor system.

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

Isomass Limited, Unit 14 Papworth Business Park, Stirling Way, Papworth Everard, Cambridgeshire CB23 3GY
Tel: 0330 175 8228 • Email: info@isomass.co.uk