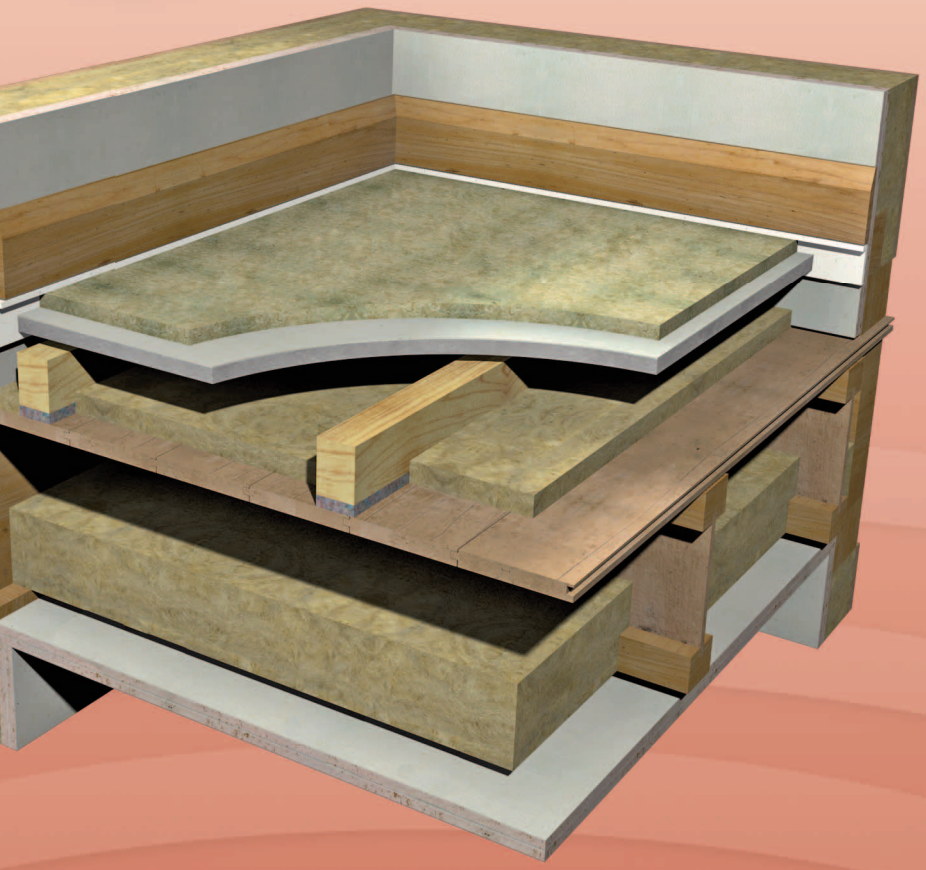
Issue 4.9 • January 2026

One of the isomass systems range

isocheck™

Deep Batten System



SUSPENDED SYSTEM FOR TIMBER AND STEEL FLOORS

- New build (Robust Detail compliant)
- Conversions
- Refurbishments

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

We take the *mystery* out of Acoustics

DESCRIPTION

- The Isocheck Deep Batten system is designed to reduce noise transmission through timber floors.
- Isocheck Deep Batten consists of 15mm ACF (Acoustic Chip Foam) bonded to a c.60mm softwood batten.
- When installed as part of a complete party floor construction it enables a timber floor to meet the sound transmission standards of ADE 2003 and subsequent amendments in 2004, 2010, 2013 & 2015.
- Isocheck deep batten system can also be used to comply with certain robust details.

APPLICATIONS

- To be used over timber floors with a timber frame or masonry facade (to hide services or accommodate underfloor heating beneath the floor) and a new decoupled ceiling for new build timber frame or steel frame projects, refurbishments and conversions.
  May also be used on other constructions, contact us for details.



isocheck™
acoustic insulating products

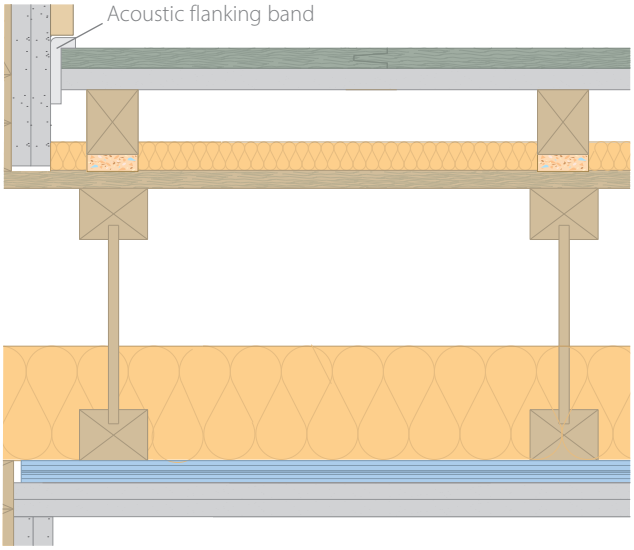
isocheck™

suspended acoustic floor system

Product data

Overall size:	c.70mm x c.45mm x 1800mm c.75mm x c.45mm x 1800mm
Resilient layer:	
70mm batten	c.10mm reconstituted ACF (Acoustic Chip Foam)
75mm batten	c.15mm reconstituted ACF (Acoustic Chip Foam)
	Minor compression under normal domestic load

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



- 18mm or 22mm chipboard and gypsum-based board nominal 13.5 kg/m2
- Isocheck Deep Batten 75 @ 400mm max. centres to run perpendicular to the joists or alternatively be located directly above and in line with the joists below.
- insulation - min. 13mm (33 - 36kg/m³) or min. 25mm (10 - 33kg/m³).
- Composite or steel joists for robust detail projects or traditional timber joists for non robust detail projects
- 100mm quilt insulation (min.10kg/m³).
- Min. 24kg/m2 double layer plasterboard ceiling on decoupling bars installed perpendicular to joist direction.

SPECIFICATION

The acoustic floor shall be:

- Isocheck Deep Batten 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

- The working deck should comprise a min. of 18mm thick proprietary T&G boards (structural grade).
- Lay Isocheck Deep Batten resilient layer side down, at 400mm max. centres. Battens must be installed either perpendicular to joists below or directly above and in line with joists below.
- Install insulation quilt between battens as required.
- Overlay battens with gypsum based board, nom. 13.5kg/m2 and min. 18mm thick prop T&G board over, ensuring that each layer is correctly glued in accordance with the manufacturers instructions.
- Perimeter expansion gaps should be filled with Isocheck Angled Flanking Band (see diagram).
- Install skirting and trim off excess Flanking Band.
- May also be installed in conjunction with underfloor heating systems.

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

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isomass® building acoustics