Isocheck Deep Batten System

suspended system for timber and steel floors within a timber frame structure

CI/SfB (43) (Y) (P2)

October 2021 Rev 3

product data sheet

Manufactured with Isopoli or Isofiba

Suitable for: robust details - new build

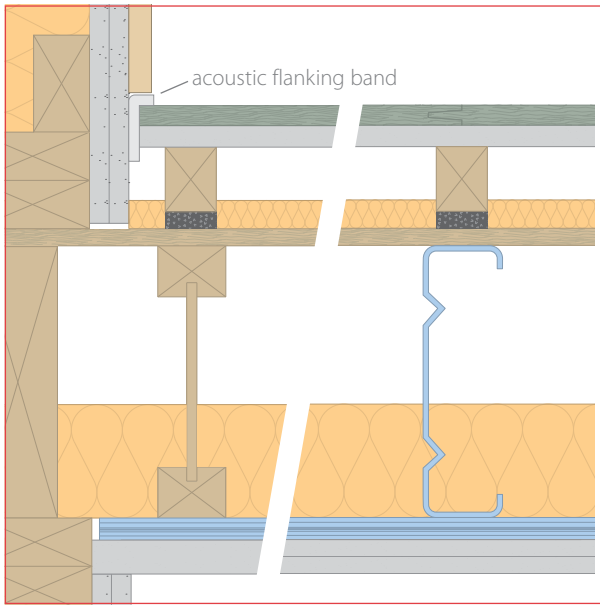
New build timber frame construction • New build steel frame construction • In conjunction with underfloor heating systems

Product data

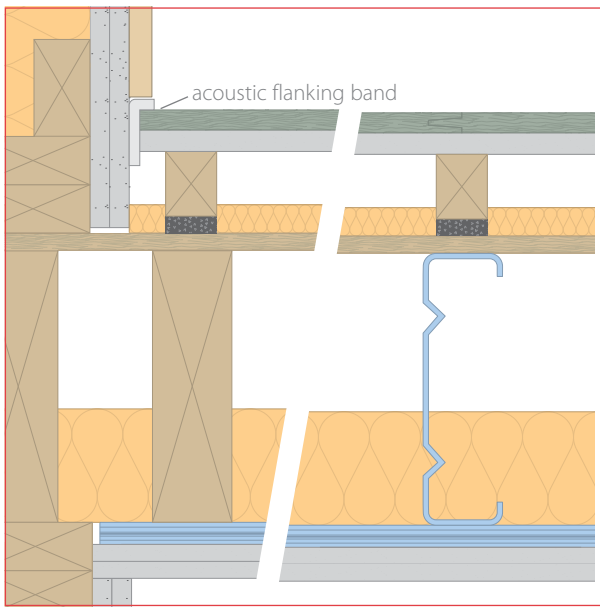
Overall size:	1800mm x 45mm x 75mm
Resilient layer thickness:	Down to approx. 14mm under a normal domestic load.
Resilient layer:	Isopoli or Isofiba

Performance

Treated floor meets with the Robust Detail descriptive FFT1, typically within Robust Detail E-FT-1, E-FT-2, E-FT-3, E-FS-2, E-FC-1, E-FC-7 and E-FS-1.



- 18mm chipboard and 19mm plank plasterboard.
- Isocheck Deep Batten @ 400mm max. ctrs to run perpendicular to the joists.
- 25mm mineral fibre insulation 36kg/m³.
- Composite or steel joists.
- 100mm quilt insulation min.10kg/m³.
- min 24kg/m² double boarded ceiling on resilient bars perpendicular to joist direction.
- acoustic flanking band reduces impact vibration leaking via structural walls and assists in reducing airborne sound paths.



- 18mm chipboard and 19mm plank plasterboard.
- Isocheck Deep Batten @ 400mm max. ctrs to run perpendicular to the joists.
- 25mm mineral fibre insulation 36kg/m³.
- Traditional or steel joists.
- 100mm quilt insulation min.10kg/m³.
- min 24kg/m² double boarded ceiling on resilient bars perpendicular to joist direction.
- acoustic flanking band reduces impact vibration leaking via structural walls and assists in reducing airborne sound paths.

Description

Isocheck Deep Batten system is designed to reduce sound transmission through timber floors within a timber frame structure.

Isocheck Deep Batten is a 18mm Isofiba or 15mm Isopoli bonded to a FSC certified 60mm softwood batten as standard. Other batten sizes are available to special order. When installed as part of a complete party floor construction it enables a timber floor to meet the sound transmission standards of ADE 2003 (amended 2004).

Specification

The acoustic floor shall be:

- **Isocheck Deep Batten**, by Isomass Ltd., Units 10 & 11, Avenue Business Park, Elsworth, Cambridgeshire CB23 4EY and installed in accordance with manufacturer's instructions / recommendations.

Installation

- Lay Isocheck Deep Batten resilient layer side down, at 400mm max. centres with 19mm plank plasterboard and 18mm chipboard flooring over.
- Apply Isocheck deep Acoustic Angled Flanking Band on the edges of the chipboard and plasterboard before they are pushed against the perimeter walls to isolate both boards from wall.
- Apply Isocheck adhesive to all tongued and grooved panel joints.
- 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:

www.isomass.co.uk

Every effort has been taken in the preperation 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.

isomass® building acoustics

TESTED BY NHBC ACOUSTIC SERVICES

Recyclable post-use

MADE IN THE UK

Technical enquiries

Tel: 0330 175 8228

Fax: 01223 651 530

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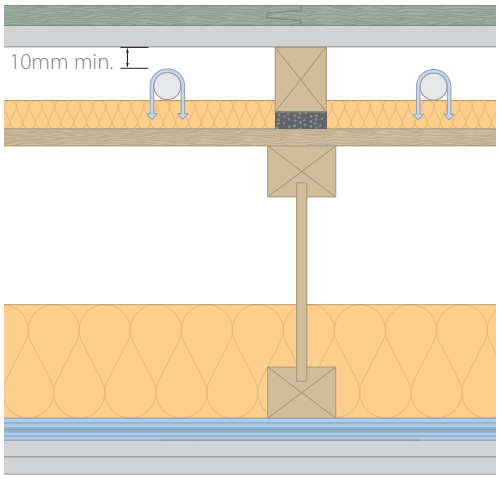
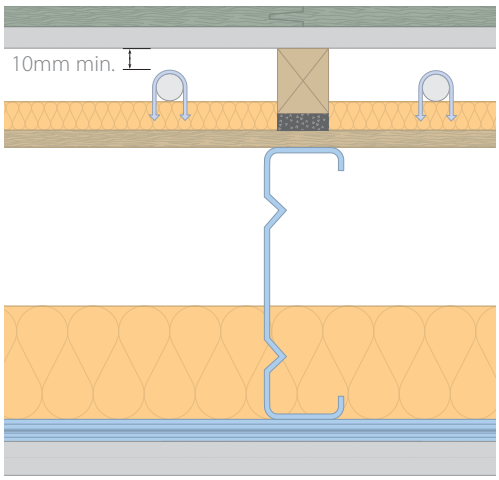
Isomass Ltd. Units 10 & 11, Avenue Business Park, Elsworth, Cambridgeshire CB23 4EY

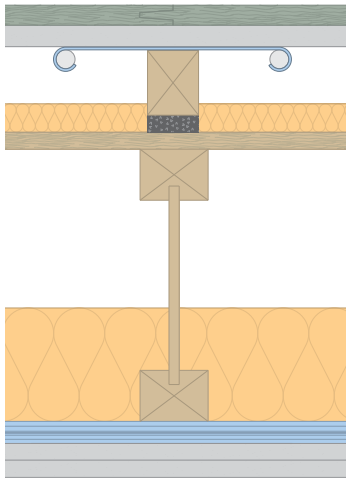
Isocheck Deep Batten System

Isocheck deep batten system incorporating an underfloor heating system



- 18mm chipboard and 19mm plank plasterboard.
- Isocheck Deep Batten @ 400mm max. centres to run perpendicular to the joists.
- 25mm mineral fibre insulation 36kg/m³ with pipe fixings.
- Composite or steel joists.
- 100mm quilt insulation min.10kg/m³.
- min 24kg/m² double boarded ceiling on resilient bars perpendicular to joist direction.
- alternative arrangement using propriety supporting pipework tray (bottom right).





Isomass Ltd has developed a number of acoustic floor solutions that could complement the requirement for underfloor heating.

The company's experience in acoustics will ensure that the integration of the underfloor heating system meets your requirements.

The floor details shown are known to comply with Approved Document E of the building regulations and in some cases Robust Details.

Should they not match your requirements, please contact Isomass Ltd who will be happy to discuss suitable alternatives.

For advice on treatment of services and penetrations, consult our brochure or visit our website:

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