

Product data

Board size:	1200mm x 800mm x 15mm
Thermal conductivity:	0.17 W/mK
Weight:	18.0 Kg/m ²
Density:	1200 Kg/m ³
Fire rating:	B2

Performance (on the constructions on page 2)

The sections shown on page 2 are typical example construction details. In some cases isocheck phonewell will offer an airborne improvement of around **3dB** where it is installed directly against the masonry wall. Whereas other examples where the system is decoupled could reflect as much as **12dB** (with a good standard of workmanship).

A good indication of the likely performance can be provided for a given construction on request with supporting test data where relevant.

Installation - floors

- 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 PHONEWELL over a structural timber or concrete subfloor, in brick bond pattern.
- Install skirting and trim off excess Flanking Band.

Installation - ceilings

- Fit Isomass resilient bars at 400mm centres perpendicular to joists (when fitting to a timber joisted floor).
- Fit one layer of Isocheck PHONEWELL and one layer of acoustic plasterboard and seal to perimeter walls.

PATENTED PRODUCT

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.



Description

Isocheck PHONEWELL is designed to reduce excessive noise through floors, ceilings and walls. Isocheck PHONEWELL is a cross fluted engineered card and hardboard carcass with a finely compacted loose sand mixture inside; it exhibits high mass with unique self decoupling properties.

The benefits of Isocheck PHONEWELL:

- Simple fitting, easy butt joints, no taping joints, no flanking strips and can be cut with a knife or jigsaw
- Self load supporting for easy wall fixing.
- Minimal 15mm thickness.

Specification

The acoustic floor shall be:

- **Isocheck PHONEWELL**, manufactured by Isomass Ltd. St Johns Innovation Centre, Cowley Road, Cambridge, CB4 0WS and installed in accordance with manufacturer's instructions / recommendations.

Installation - walls

- When applying Isocheck PHONEWELL to a solid plastered or unplastered wall with Isomass approved resilient bars fit the resilient bars horizontally in accordance with installation instructions.
- Lay Isocheck PHONEWELL direct to the wall or over resilient bars, in brick bond pattern in accordance with installation instructions.
- Full installation instructions for Isocheck PHONEWELL are available upon request. These must be used in conjunction with this booklet when laying the Isocheck PHONEWELL floor, ceiling or wall systems.

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

www.isomass.co.uk

Technical enquiries

Tel: **0845 838 33 99**

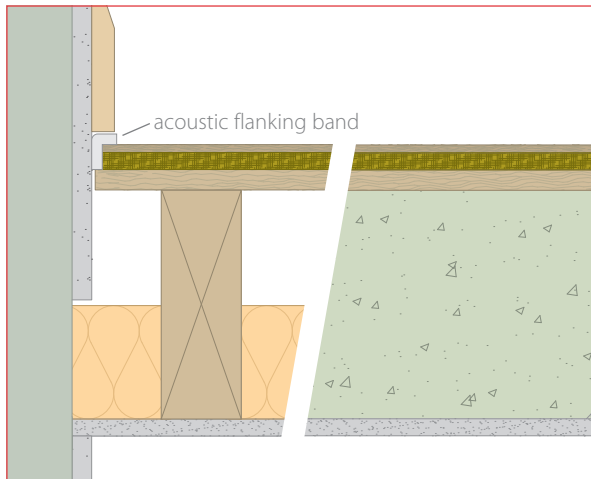
Fax: **0845 838 33 89**

Email: info@isomass.co.uk

Isocheck **PHONEWELL**

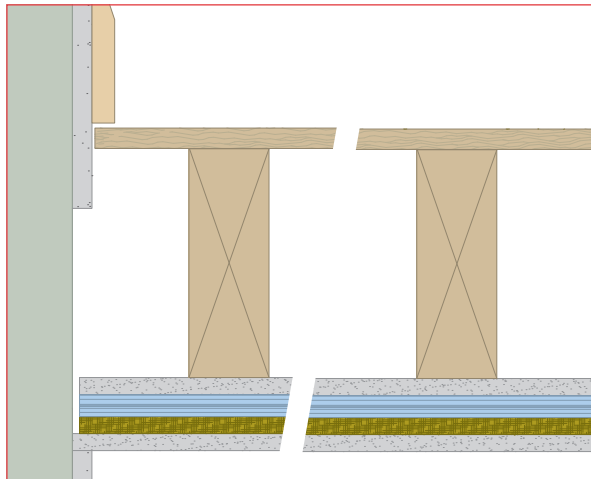
unique, natural and breathable system to upgrade floors, walls & ceilings

Upgrading timber and concrete floors (detail 1)



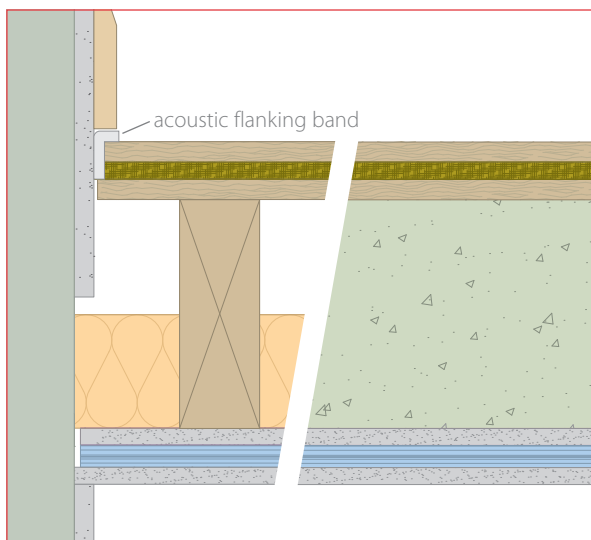
- 7mm laminate or Isocheck t&g MDF floor finish.
- 15mm Isocheck PHONEWELL.
- existing floor.
- 200mm x 70mm timber joists @ 450mm centres with 100mm quilt insulation min.10kg/m³ and existing plasterboard ceiling (left) **or**
- ≥2400kg/m³ cast in-situ concrete slab with existing plasterboard ceiling (right).
- acoustic flanking band reduces impact vibration leaking via structural walls and assists in reducing airborne sound paths.

Upgrading timber ceiling (detail 2)



- existing floor.
- 200mm x 70mm timber joists @ 450mm centres.
- existing plasterboard ceiling.
- resilient bars @ 400mm centres perpendicular to joists.
- 15mm Isocheck PHONEWELL.
- ≥10kg/m² gypsum board ceiling.

Upgrading timber or concrete floor and ceiling (detail 3)



- chipboard or Isocheck t&g MDF overlay.
- 15mm Isocheck PHONEWELL.
- existing floor.
- 200mm x 70mm timber joists @ 450mm centres with 100mm quilt insulation min.10kg/m³ (left) **or**
- ≥2400kg/m³ cast in-situ concrete slab with existing plasterboard ceiling (right).
- existing plasterboard ceiling.
- resilient bars @ 400mm centres perpendicular to joists.
- ≥10kg/m² gypsum board ceiling.walls and assists in reducing airborne sound paths.

Upgrading solid walls (detail 4)



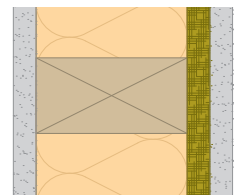
- solid brick or block wall.
- 15mm Isocheck PHONEWELL.
- ≥10kg/m² acoustic gypsum board.

Upgrading solid walls (detail 5)



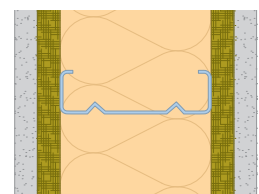
- solid brick or block wall.
- resilient bars @ 100mm vertical centres.
- 15mm Isocheck PHONEWELL.
- ≥10kg/m² acoustic gypsum board.

Upgrading stud walls (detail 6)



- ≥10kg/m² acoustic gypsum board.
- 100mm x 50mm timber studs or steel studs with optional 100mm quilt insulation min.10kg/m³.
- 15mm Isocheck PHONEWELL.
- ≥10kg/m² acoustic gypsum board.

Upgrading stud walls (detail 7)



- ≥10kg/m² acoustic gypsum board.
- 15mm Isocheck PHONEWELL.
- 100mm x 50mm timber studs or steel studs with optional 100mm quilt insulation min.10kg/m³.
- 15mm Isocheck PHONEWELL.
- ≥10kg/m² acoustic gypsum board.