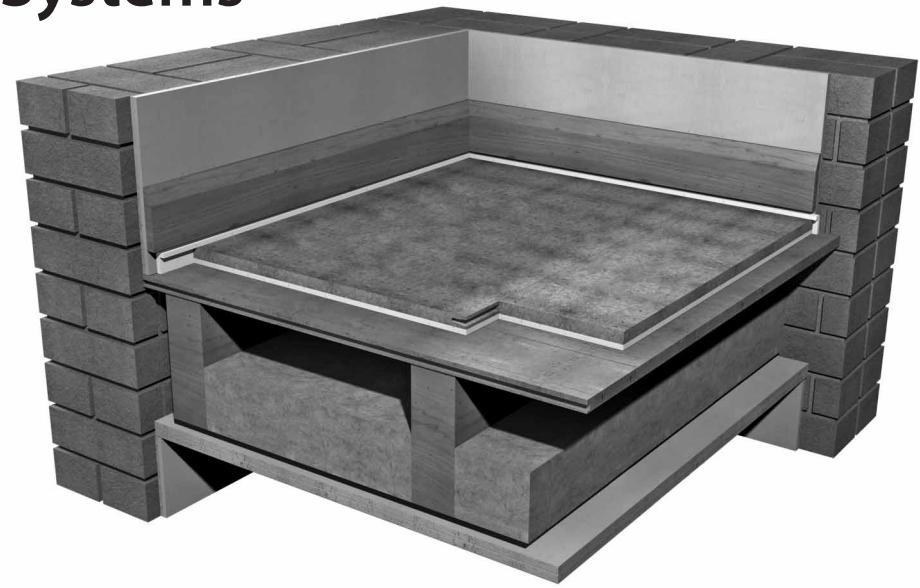
isocheck™
acoustic insulating products

Issue 3.6 • January 2026

One of the isomass systems range

Installation instructions

28T, 24T & 15T Systems



OVERLAY ACOUSTIC FLOOR SYSTEM DIRECT TO FLOORBOARDS for

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

MADE IN THE UK

NHBC TESTED BY NHBC ACOUSTIC SERVICES

Independently laboratory tested

Institute of Acoustics Sound•Noise•Vibration 50 1974-2024 Sponsoring Organisation

QAS International ISO 9001:2015 REGISTERED COMPANY

PRODUCT DATA

Overall size:	Isocheck 28T	2400 x 600 x circa28mm
	Isocheck 24T	2400 x 600 x circa 24mm
	Isocheck 15T	1200 x 600 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



DESCRIPTION

- ❏ The Isocheck 28T, 24T and 15T are high performance systems designed to reduce sound transmission through traditional joisted timber floors.
- ❏ To be used over existing floorboards for new build, refurbishments or conversions with an Isoblock and Isobar ceiling or a traditional MF system suspended via Isocheck Acoustic Hangers

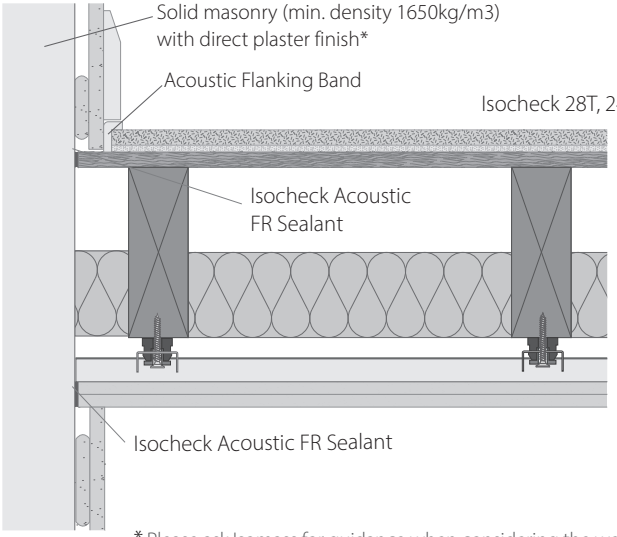
- Isocheck 28T, 24T or 15T over floorboards.
- 200mm x 70mm joists @ 450mm centres with100mm 45kg/m^3 insulation between joists.
- Min. 20kg/m^2 double boarded 25mm o/a plasterboard on Isocheck Isoblock and Isobar system or proprietary MF ceiling.

PREPARATION

- ❏ The presence of steel work, lift shafts lift shafts, low density blockwork and even ceiling penetrations can often impair acoustic performance. If any of these (or other issues not previously declared) are present on your site, please contact us for additional advice.
- ❏ Floor should ideally be min. 18mm chipboard, OSB, decking ply or original floorboards with a continuous layer of 100mm (45kg/m^3) mineral wool insulation between the joists. All nails and screws must be driven flush and securely fixed.
  The sub-floors should be level, sufficiently dry and swept clean to allow the Isocheck 28T, 24T or 15T to be laid flat.
- ❏ Existing floor must be dry. If in doubt overlay with proprietary vapour control layer with fully taped joints prior to installation of Isocheck boards.
- ❏ Installation of Isocheck 28T, 24T or 15T should **not** commence until roof, window glazing and wet trades are completed and the structure is watertight. Leave overnight for adhesive to cure before trafficking the newly installed system.
- ❏ Isocheck 28T, 24T or 15T must be kept in a dry storage area. Deliveries should be scheduled to coincide with availability of suitable dry storage areas.

INSTALLATION - GENERAL

- ❏ 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.
- ❏ Board fitting should begin at the furthest point from the entrance and marked out so as not to finish with any panels less than 200mm wide.
- ❏ The decking must be laid in broken bond pattern, with all joints staggered and glued.
- ❏ No mechanical fixings should be used.





Angled flanking Band installed under skirting and trimmed flush with a sharp knife.

* 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 D3 Adhesive is applied to both the top of the tongue and the bottom of the groove on each side of each joint.
- ❏ The boards are then pushed tightly together. Surplus adhesive should be wiped away from the surface with a damp cloth.

INSTALLATION - DOORS, ARCHITRAVES & SKIRTINGS

- ❏ Door openings should have linings fitted prior to the installation of the acoustic floor. The Isocheck boards should be carefully detailed to ensure a good fit. Although not ideal architraves and stops can be fixed after floor installation, leaving a 2/3mm gap from the surface of the floor.
- ❏ To prevent flanking transmission all skirting must be isolated from the floor surface. Before incorporation, place Isocheck Angled Flanking Band around the edge of the Isocheck 28T, 24T or 15T boards before pushing into position.
- ❏ Remove any excess with a sharp knife, flush to the skirting face.

STUD PARTITIONING

- ❏ Stud partitioning must be built from the sub floor wherever possible. If it is your intention to build off the top of Isocheck 28T, 24T or 15T additional advice should be sought. It is good practice to isolate all partitions built from the sub-floor with Isocheck Isolation Strip as this will improve the performance of the walls as well as the floors.

FLANKING BAND

- ❏ Isocheck Angled Flanking Bands provide isolation of the flooring system from all vertical structures. The Flanking band is placed between the wall and the Isocheck board as the perimeter boards are installed. The skirting board is then fixed to the wall securing the Flanking Band in place.
- ❏ After the skirting board is installed, simply trim the Flanking Band flush with a sharp knife.
- ❏ Alternative flanking details are available to suit wood and vinyl finishes. please contact Isomass for advice.

PROTECTION

- ❏ The finished Isocheck 28T, 24T or 15T system should be protected with an appropriate layer immediately after being installed to prevent damage by any following tradesmen.

HANDLING

- ❏ Some Isocheck boards may be HEAVY. Please observe proper lifting methods and if transporting around site, by hand. Care should also be taken to protect hands from splinters during manual handling.

CUTTING

- ❏ The cutting of boards, either by hand or machine, will produce dust that may be an irritant if inhaled. USE dust masks when carrying out any cutting operations.

INSTALLATION - KITCHENS & BATHROOMS

- ❏ Appliances and sanitary ware, with rigid plumbing connections that penetrate the system, should be isolated from the floating floor by cutting a hole up to 10mm larger than the service diameter and filling in the gap with Isocheck Acoustic FR sealant. Ideally kitchen worktops should be isolated from the wall with Isocheck Impacta Pads and trimmed flush with surface before tiling commences.
- ❏ In a kitchen, we recommend the kitchen units are installed on the sub-floor on Ischeck Impacta Pads, so that the Isocheck boards can terminate at the legs of the units. The plinth can then be installed to the kitchen unit legs, making a neat, flush finish.
- ❏ Lay the floor in areas where appliances will sit, allowing for adequate height below the work surfaces. If installing the units on the floating floor additional advice should be sought to reduce the potential for unwanted impact flanking noise.
- ❏ In a bathroom, we recommend the sanitaryware should be supported from the sub-floor on Isocheck Impacta Pads, and the Isocheck floor terminate at the legs of the bath as close as possible. The bath panel can then be installed making a neat, flush finish. Plywood or proprietary "backer boards" of the same height as the Isocheck board can be laid under the sanitaryware and the joints filled with silicone sealant.

If in doubt on any area, please call Isomass prior to commencement of work.

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.

isomass® building acoustics

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