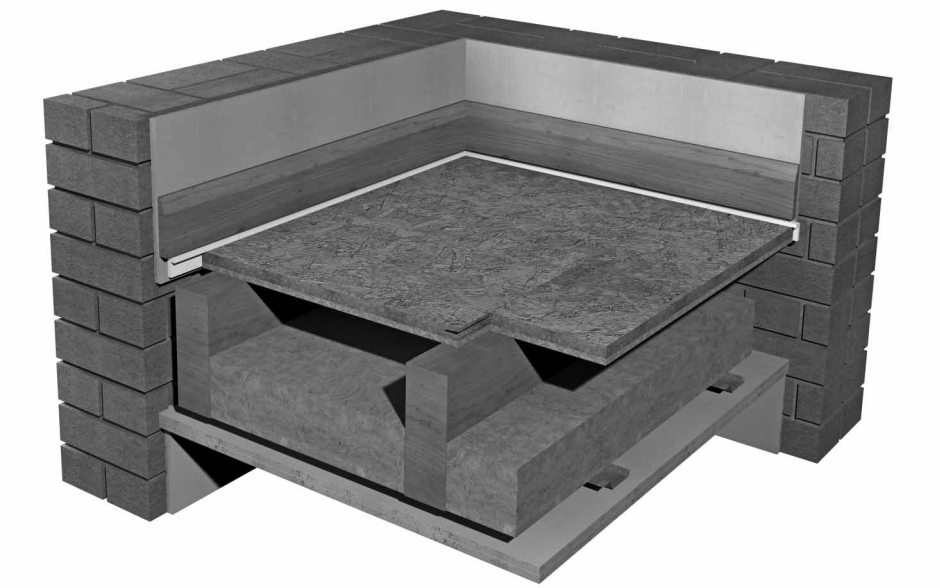
monodeck™
acoustic insulating products

Issue 2.7 February 2026

One of the isomass systems range

32T System

Installation instructions



OVERLAY PLATFORM SYSTEM DIRECT TO JOISTS for

- New build
- Conversion
- Refurbishment
- Listed Buildings requiring minimal structural change

Institute of Acoustics Sound • Noise • Vibration 1974–2024 Sponsoring Organisation

MADE IN THE UK

QAS International ISO 9001:2015 REGISTERED COMPANY

PRODUCT DATA

Overall size:	2400 x 600 x 32mm
Resilient layer:	10mm high density reconstituted ACF (Acoustic Chip Foam)
Weight:	22.8kg per sheet

DESCRIPTION

- ❏ The Monodeck 32T system is designed to replace floorboards and reduce sound transmission.
- ❏ To be used direct to joists for conversions, refurbishments, new build or listed buildings requiring minimal structural change with a new plasterboard or existing lath and plaster ceiling.



- Monodeck 32T over joists.
- 200mm x 70mm joists @ 450mm centres* with100mm 45kg/m^3 insulation between joists.

* Additional floor support may be required - commonly in the form of additional noggins.

- Lath & Plaster ceiling or 30mm o/a double boarded ceiling (min 20kg/m^2) fixed to timber joists.

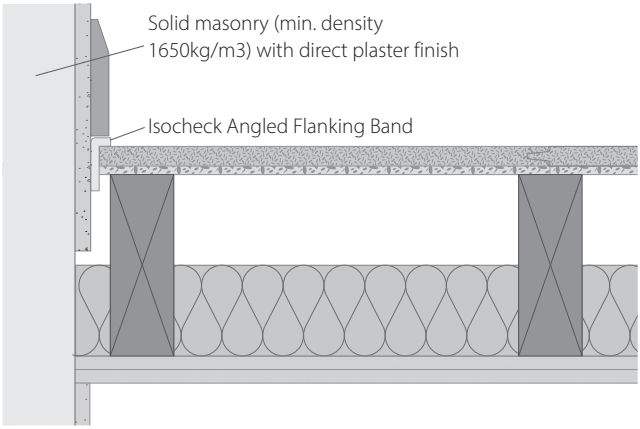
Note: tested only with direct fixed ceilings.

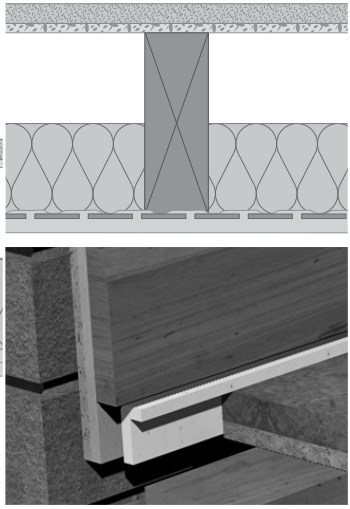
PREPARATION

- ❏ The presence of steel work, lift shafts 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.
- ❏ Ensure that all recessed down-lights or other invasive fittings have been correctly treated prior to closing off the sub-floor from above with the Monodeck 32T system. If not confirmed of a solid construction all structural walls should be sealed both top and bottom prior to floor laying. e.g.: lath & plaster wall linings, dot & dab systems, 'hollow' battened skirting's, etc.
- ❏ The floor void between the joists should be swept free of debris. All nails and screws on top of the joists removed or driven flush to leave a smooth continuous dry surface to receive the system. Any associated work to level joists should also be done at this time.
- ❏ It is advisable that any new ceiling installation be installed prior to laying of the floor together with a continuous layer of 100mm (45kg/m^3) mineral fibre insulation between the joists.
- ❏ Where applicable resilient bars should be installed perpendicular to the joist direction at the - typically 400mm.
- ❏ Installation of Monodeck 32T 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.

INSTALLATION - GENERAL

- ❏ Apply Isocheck Angled Flanking Band on the edges of the Monodeck 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.





Flanking Band turned back under skirting and trimmed flush with a sharp knife.

- ❏ The decking must be laid in broken bond pattern, with all joints glued and staggered. No Mechanical fixings should be used. 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 Monodeck 32T boards are then pushed tightly together. Surplus adhesive should be wiped away from the surface with a damp cloth.
- ❏ Monodeck 32T must be kept in a dry storage area. Deliveries should be scheduled to coincide with availability of suitable dry storage areas.

INSTALLATION - DOORS, ARCHITRAVES & SKIRTINGS

- ❏ Door openings should have linings fitted prior to the installation of the acoustic floor. The Monodeck 32T 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.

STUD PARTITIONING

- ❏ Stud partitioning should be built from the joists which should ideally be isolated as much as possible. If it is your intention to build off the top of Monodeck 32T additional advice should be sought before you start.
- ❏ All partitions built from the sub-floor will require Isocheck Isolation Strip installed to the partition and additional support each side of the sole plate where the Monodeck 32T is terminated.

FLANKING BAND

- ❏ Isocheck Angled Flanking Band provide isolation of the flooring system from all vertical structures and penetrations. The Flanking Band is trapped to the wall and returned down over the Monodeck 32T board as the perimeter boards are placed. The skirting board is then fixed to the wall securing the Flanking Band between the skirting board and the 32T.
- ❏ After the skirting board is installed, simply trim the Flanking Band flush with a sharp knife.

PROTECTION

- ❏ The finished Monodeck 32T system should be protected with an appropriate layer immediately after being installed to prevent damage by any following tradesmen.

HANDLING

- ❏ Some Monodeck 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 & UNDERFLOOR HEATING

- ❏ Appliances and sanitary ware, with rigid plumbing connections that penetrate the system, should be isolated from the sub floor and floating floor by cutting a hole up to 10mm larger than the service diameter and filling the gap with a flexible sealant. Ideally kitchen worktops should be isolated from the wall with an Isocheck Impacta Pads and trimmed flush with surface before tiling commences.
- ❏ When laying Monodeck 32T in a kitchen or bathroom it is essential that additional support noggins are placed between the joists as well as the perimeter support referred to previously. This is to support the higher loads imposed on the floor in specific areas. Similarly these noggins will still need to be accommodated or considered during the installation of underfloor heating systems (especially were trays are used because the pipes may need to run under the noggin or the Monodeck 32T could be supported by steel strips that are screwed to the top of the two parallel joists. If in doubt as to the configuration or quantity of support noggins additional advice should be sought to reduce the potential for undue deflection in these potentially high load areas.

INSTALLATION - CEILINGS

- ❏ Ceiling boards should be installed first, especially before any dry-lining of walls (such as dot & dab) to prevent potential flanking transmission. Ceilings should be boarded with a minimum mass of 20kg/m^2, and must be fixed to resilient bars or suspended from a metal frame system in accordance with manufacturers recommendations.

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

Unit 14 Papworth Business Park, Stirling Way,
Papworth Everard, Cambridgeshire CB23 3GY

Tel: 0330 175 8228 • Email: info@isomass.co.uk • www.isomass.co.uk