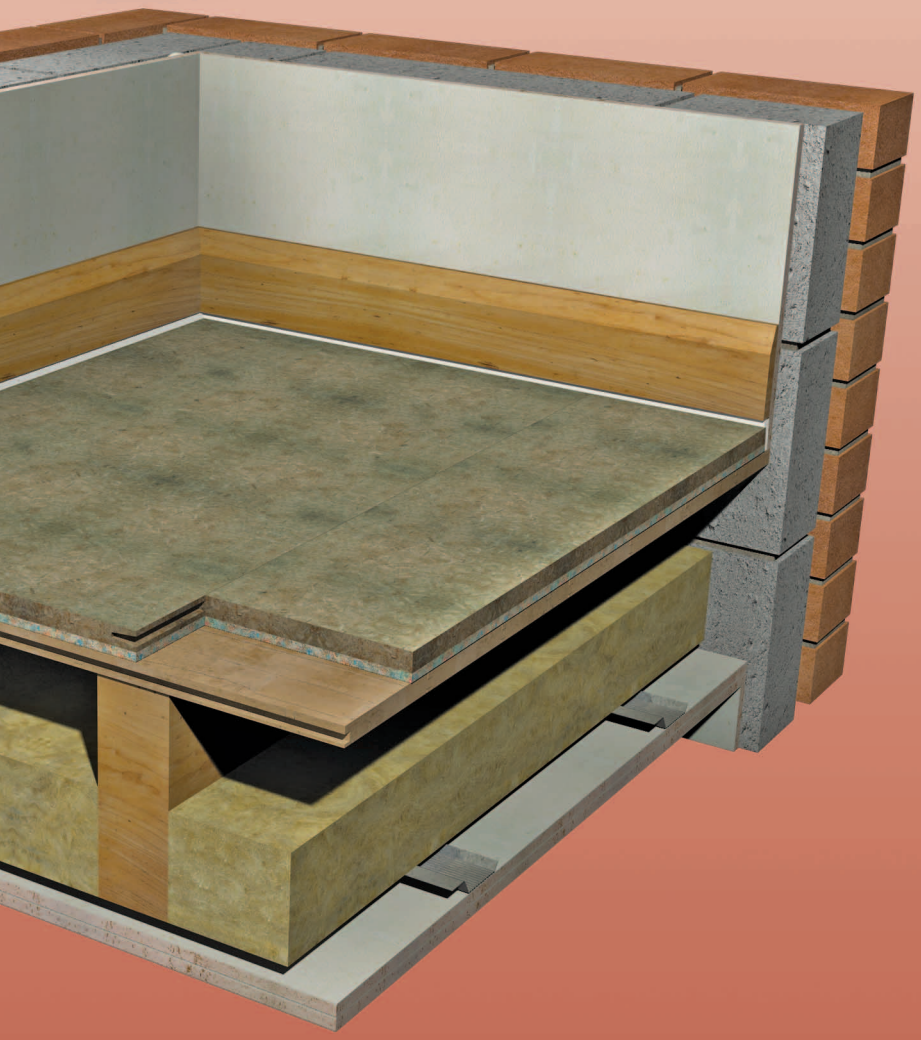
Issue 2.9 • February 2026

One of the **isomass** standard systems range

monodeck™

17T, 26T & 30T systems



OVERLAY PLATFORM SYSTEMS DIRECT TO FLOORBOARDS

- New build
- Refurbishments
- Conversions

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

MADE IN THE UK

QAS International ISO 9001:2015 REGISTERED COMPANY

Taking the *mystery* out of Acoustics

DESCRIPTION

- Monodeck 17T, 26T and 30T systems are designed to reduce transmission through timber floors in situations where finished floor height is critical.
- Monodeck 17T boards consist of a layer of 8mm reconstituted ACF (Acoustic Chip Foam) bonded to 9mm moisture resistant medium-density fibreboard; Monodeck 26T, and 30T boards consist of a layer of 8mm reconstituted ACF bonded to 18mm or 22mm V313 P5 moisture resistant chipboard.
- When installed as part of a complete sound reduction system, it enables a timber floor to meet the sound transmission regulations of Approved Document E 2003 and subsequent amendments in 2004, 2010, 2013 & 2015.

APPLICATIONS

- To be used over existing floorboards for conversions, refurbishments or new build with a new resilient bar ceiling.



monodeck™
acoustic insulating products

monodeck™
acoustic insulating products

overlay systems direct to floorboards

Product data

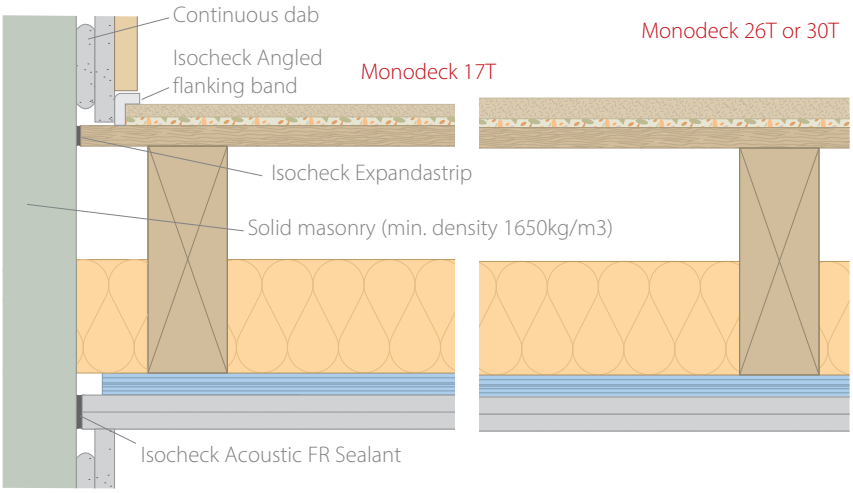
Overall sizes:	Monodeck 17T: 1200mm x 600mm x 17mm Monodeck 26T: 2400mm x 600mm x 26mm Monodeck 30T: 2400mm x 600mm x 30mm
Resilient layer:	8mm Reconstituted ACF (Acoustic Chip Foam)
Resilient layer fire test:	Tested to BS 5852-2:1982
Weights:	Monodeck 17T: 5.1kg per sheet Monodeck 26T: 18.8kg per sheet Monodeck 30T: 21.9kg per sheet

Typical performance expectations

(On the party floors as illustrated below with a joist depth not less than 200mm)

	Airborne		Impact	
Treated floor with:	$R_w + C_{tr}$	$D_{nT,w} + C_{tr}$	L'_{nw}	$L'_{nT,w}$
Monodeck 30T	**55dB**	**50dB**	**45dB**	**50dB**
Monodeck 26T	**55dB**	**49dB**	**44dB**	**49dB**
Monodeck 17T	**54dB**	**48dB**	**43dB**	**48dB**

Site results (in red) for Building Control approval. Laboratory results (in blue) for comparison.*



- Monodeck 17T, 26T or 30T systems on existing timber floor (subject to condition) or a new 18mm chipboard deck.
- 200mm x 50mm timber joists@ max. 450mm centres.
- 100mm 45kg/m³ insulation between joists.
- 20kg/m² double boarded ceiling on resilient bars @400mm centres perpendicular to joist direction.
- Isocheck Angled Flanking Band reduces impact vibration leaking via structural walls and assists in reducing airborne sound paths.

OTHER PRODUCTS IN THE MONODECK RANGE

- **Monodeck 37T:** overlay platform systems direct to joists to reduce transmission and thermally enhance traditional joisted timber floors.
- **Monodeck 26C:** overlay platform system to reduce sound transmission and impact sound transmission through concrete floors.

SPECIFICATION

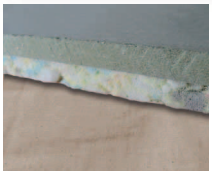
The acoustic floor shall be:

- Monodeck 17T, 26T or 30T, 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

- 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 (as shown in the diagrams).
- Lay Monodeck over existing floor boards in broken bond pattern, applying adhesive to all tongue and grooved panel joints.
- Install skirting over exposed flanking band and trim off any excess.
- Full installation instructions are available for download and must be used in conjunction when laying this floor system.

Please ask Isomass for guidance when considering the weight of any new blocks which will be incorporated in a wall directly surrounding a timber separating floor.


Monodeck 17T


Monodeck 26T

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.

*Laboratory results are predicted to enable a comparison

isomass® building acoustics

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