

One of the **isomass** standard systems range

Monodeck™ acoustic insulating boards (17)

monodeck™

32T system



DIRECT TO JOISTS SYSTEM

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



DESCRIPTION

- ❑ The Monodeck 32T system is designed to replace floorboards and reduce sound transmission.
- ❑ Monodeck 32T consists of a layer of 10mm reconstituted ACF (Acoustic Chip Foam) bonded to 22mm V313 P5 moisture resistant chipboard.
- ❑ When installed as part of a complete sound reduction system, it enables a traditional timber joisted floor to meet the sound transmission regulations of Approved Document E 2003 and subsequent amendments in 2004, 2010, 2013 and 2015.

APPLICATIONS

- ❑ 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.



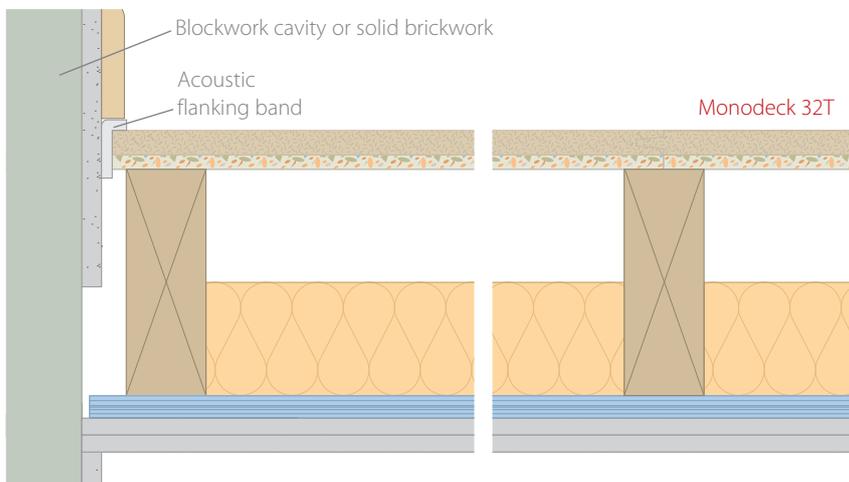
Product data

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

Typical performance expectations (on the construction illustrated)

Treated floor with:	Airborne		Impact	
	$R_w + C_{tr}$	$D_{nT,w} + C_{tr}$	L'_{nw}	$L'_{nT,w}$
Monodeck 32T	52dB	46dB	48dB	55dB

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



- Monodeck 32T system on 200mm x 70mm timber joists @ 450mm centres.
- 100mm 45kg/m³ insulation between joists.
- 20kg/m² double boarded 25mm o/a plasterboard on resilient bars @ 400mm centres perpendicular to joist direction.
- Acoustic flanking band reduces impact vibration leaking via structural walls and assists in reducing airborne sound paths.

OTHER PRODUCTS IN THE MONODECK RANGE

- Monodeck 17T, 26T & 30T:** overlay platform systems direct to floorboards to reduce transmission through timber floors in situations where finished floor height is not critical.
- 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.

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 building products.

*Laboratory results are predicted to enable a comparison

SPECIFICATION

The acoustic floor shall be:

- Monodeck 32T, 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 Acoustic 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 32T directly to the timber joists, in brick bond pattern, applying Isocheck adhesive to all tongued and grooved panel joints without the need for mechanical fixings.
- 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.