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One of the **isomass** standard systems range

monodeck™

26C system



OVERLAY PLATFORM SYSTEMS FOR CONCRETE FLOORS

- New build
- Refurbishments
- Conversions

Institute of Acoustics 50 1974-2024 Sponsoring Organisation

MADE IN THE UK

QAS International ISO 9001:2015 REGISTERED COMPANY

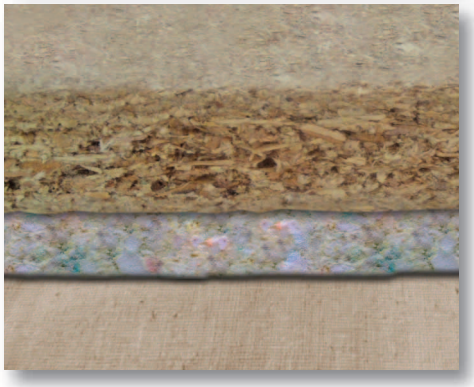
Taking the *mystery* out of Acoustics

DESCRIPTION

- The Monodeck 26C system is designed to reduce sound transmission and also reduce impact sound transmission through concrete floors.
- Monodeck 26C consists of a layer of 8mm reconstituted ACF (Acoustic Chip Foam) bonded to 18mm P5 V313 moisture resistant chipboard.
- When installed as part of a complete party floor construction either system enables a concrete 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 over existing concrete floors for conversions, refurbishments or new build with a decoupled ceiling.



monodeck™
acoustic insulating products

monodeck™
acoustic insulating products

overlay system for concrete floors

Product data

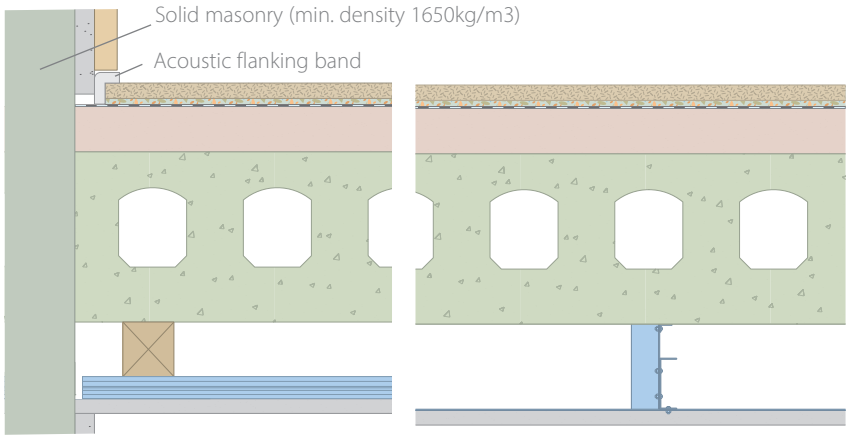
Overall size:	2400mm x 600mm x 26mm
Resilient layer thickness:	8mm
Resilient layer:	High density reconstituted ACF (Acoustic Chip Foam)
Weight:	18.8kg per sheet

Performance

(On the construction illustrated)

Treated floor with:	$D_{nT,w} + C_{tr}$	$L'_{nT,w}$
Monodeck 26C	53dB	53dB

Complies with New Build Robust Detail descriptive FFT5 within E-FC-1, E-FC-2 and E-FS-1.



- Monodeck 26C system.
- ≥300kg/m² cast in-situ concrete or hollow core concrete planks with 80kg/m² sand / cement screed or 40mm proprietary screed.
- Note: A VCL will be required when installing Monodeck 26C on new screed.
- 50 x 75mm timber battens with 10kg/m² gypsum board ceiling supported on resilient bars @ 400mm centres perpendicular to the battens min. 75mm below underside of sub-floor ***or***
- min. 75mm void formed by metal frame suspended ceiling system and ≥10kg/m² gypsum board ceiling.
- Acoustic flanking band reduces impact vibration leaking via structural walls and assists in reducing airborne sound paths (on both constructions).

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 32T & 37T:** overlay platform systems direct to joists to reduce transmission and thermally enhance traditional joisted timber floors.

SPECIFICATION

The acoustic floor shall be:

- Monodeck 26C, 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 26C over dry level screed, in brick bond pattern, applying Isocheck adhesive to all tongued and grooved panel joints. A VCL will be required when installing Monodeck 26C on new screed.
- 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.

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.

www.isomass.co.uk

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building acoustics

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