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One of the isomass standard systems range

monodeck™

Mat 15 System



*42dB Impact improvement

IMPACT & AIRBORNE NOISE REDUCTION SYSTEM

- Refurbishments
- Conversions
- Listed buildings

Independently laboratory tested

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

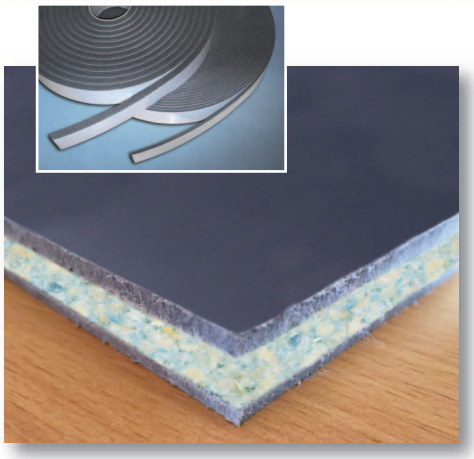
- The Monodeck Mat 15 system is designed to reduce airborne & impact sound transmission through timber floors.
- Monodeck Mat 15 is a 15mm thick tri-layer system with a reconstituted 8mm ACF foam core which will provide impact and airborne improvement.
- Monodeck Mat 15 is ideal for floor upgrades when looking to improve sound reduction on stairs and under engineered timber floors.

APPLICATIONS

- To be used over floorboards for conversions, refurbishments or listed buildings requiring minimal structural change.

ACCESSORIES

- Wall Isolation Strip
- EPDM Skirting Strip
- 9mm tongued and grooved board



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acoustic insulating products

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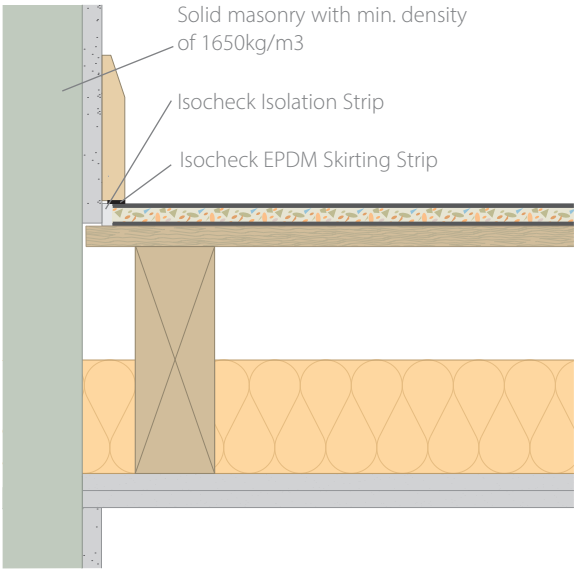
overlay impact & airborne noise reduction system

Product data

Overall size:	1200mm x 1000mm x circa 15mm
Resilient layer:	Circa 8mm ACF foam core
Weight:	Approx. 13kg/m2

*Performance

Monodeck Mat 15 impact improvement mat will achieve 42dB ΔLw in laboratory conditions and 19dB ΔLw with a 9mm T&G board on top.



- Monodeck Mat 15 with or without bonding to subfloor as required.
- floorboards, min. 18mm thick.
- min. 200 x 50mm timber joists @ 400 mm centres.
- 100mm 45Kg/m3 insulation between joists.
- Double boarded ceiling (min. 20kg/m2 plasterboard) directly fixed to timber joists.
- Isolation Strips reduce impact vibration leaking via structural walls and can assist in reducing airborne sound paths.

NB: Additional performance will be achieved by isolation of the ceiling. This product can also be used in conjunction with lath and plaster ceilings, for example, installation of Isomass Isoblock and Isobar system (please see separate data sheet/website for details).

OTHER PRODUCTS IN THE MONODECK RANGE

- **Monodeck 17T, 20T, 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.
- **Monodeck 26C:** overlay platform system to reduce sound transmission and impact sound transmission through concrete floors.

SPECIFICATION

The acoustic floor shall be:

- Monodeck Mat 15, 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

- It may be necessary to bond Monodeck Mat 15 to the subfloor, eg. if compliance with Approved Document E is required. Please contact Isomass for further advice.
- Lay Monodeck Mat 15 over the entire level floor with all joints tightly abutted. Refer to installation guide for full instructions.
- Most t&g or interlocking engineered timber panel floor finishes can be laid directly onto Monodeck Mat 15. Isomass can also supply a 9mm thick tongued & grooved MR-grade board to overlay Mat 15, if required, eg. when using parquet or other "non-plank" wooden floor finishes.. If in doubt please contact us with the floor specification.
- Finished timber floors should be isolated from the skirting using Isocheck Isolation Strip and Isocheck EPDM Skirting Strip.

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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