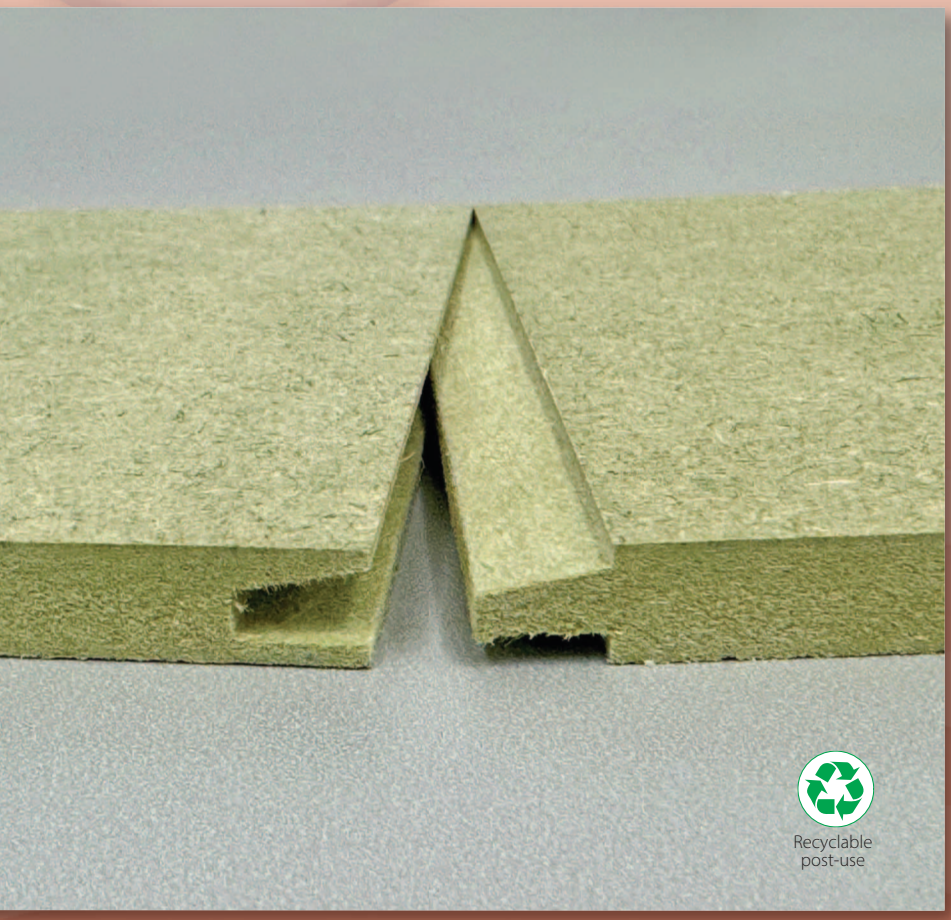
Issue 1.0 September 2024

One of the isomass systems range

isocheck™

9mm T&G Board



OVERLAY FOR SELECTED ISOCHECK & MONODECK MATTING SYSTEMS

- New build
- Refurbishments
- Conversions
- Listed buildings

TESTED BY NHBC ACOUSTIC SERVICES

Institute of Acoustics 1974-2024 Sponsoring Organisation

MADE IN THE UK

QAS International ISO 9001:2015 REGISTERED COMPANY

Taking the *mystery* out of Acoustics

DESCRIPTION

- The Isocheck 9mm T&G Boards have been developed as a suitable overlay for selected Isocheck & Monodeck acoustic matting systems
- This flooring panel is a 9mm moisture resistant medium density fibreboard.

APPLICATIONS

- Intended as a means of stabilising the floor surface, prior to installation of certain finishes
- Overlay for selected Isocheck & Monodeck acoustic matting systems, where applicable. Typically, when planning the installation of the following floor finishes:
  - Bonded carpet (commercial & domestic)
  - Carpet tiles
  - Laminate
  - Vinyl
  - Overlay to existing uneven floors
  - Certain engineered timber

E1 CHANGE · E1 NEWBUILD · DOMESTIC · N · R · C · L

isocheck™
acoustic insulating products

isocheck™

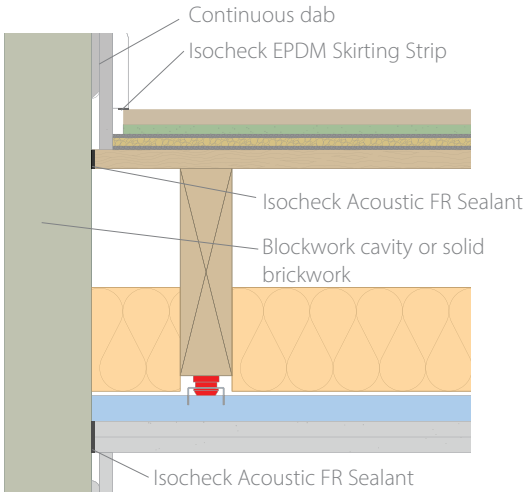
overlay acoustic floor system

Product data

Overall size:	1200mm x 600mm x 9mm
Weight	5 kg per sheet

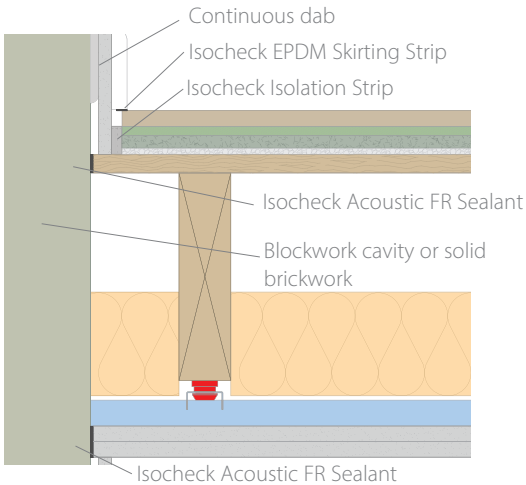
Technical Data

- Performance & Testing
  The test methods used for moisture resistant Isocheck 9mm T&G Board includes a specialized cyclic test (EN 321) in which test pieces, after conditioning, are immersed in water at 20°C for 72 hours, frozen in air at -12°C for 24 hours, and heated in an air-circulated oven at 70°C for 72 hours. This cycle is carried out three times, followed by post conditioning and physical testing according to EN 622 test methods.
- Conditioning
  The moisture content of Isocheck 9mm T&G Board is in the range of 5-9% at the time of manufacture. Changes in dimensions of wood and wood-based sheet materials occur due to changes in relative humidity. For this reason, Isocheck 9mm T&G Boards should be conditioned to the final environment for two to three days before cutting
- Fire Rating
  Isocheck 9mm T&G Board is expected to achieve a fire class rating of Euroclass D within the European classifications.



Example 1

- Bonded layer of (15mm) engineered wooden flooring planks, tongued & grooved
- Bonded layer of Isocheck 9mm T&G boards
- Monodeck Mat 15 over floorboards
- 200mm x 70mm joists @ 450mm centres with100mm 45kg/m3 insulation between joists.
- Isocheck Isoblock & Isobar system @ 400mm centres
- 20kg/m2 double boarded 25mm o/a plasterboard



Example 2

- Bonded layer of (15mm) engineered chevron/parquet-style flooring, tongued & grooved
- Bonded layer of Isocheck 9mm T&G boards
- Isocheck 15T over floorboards
- 200mm x 70mm joists @ 450mm centres with100mm 45kg/m3 insulation between joists.
- Isocheck Isoblock & Isobar system @ 400mm centres
- 20kg/m2 double boarded 25mm o/a plasterboard

SPECIFICATION

The acoustic floor shall be:

- Isocheck 9mm T&G Board, 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

- Isocheck 9mm T&G Boards should be bonded to Isocheck / Monodeck acoustic matting as required, using a suitable proprietary adhesive
- The boards should be bonded to each other using Isocheck D3 Joint Adhesive on the tongued & grooved joints laid so that they are staggered or in "brick-bond" fashion
- Isocheck 9mm T&G boards should be installed with an expansion gap filled with Isocheck Isolation Strip, typically the 10mm thick version. This is a self-adhesive strip and often installed prior to the T&G board installation.
- Full installation instructions are available and must be used in conjunction when laying this system.

For advice on treatment of services and penetrations, consult our brochure or visit our website.

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.

www.isomass.co.uk

isomass® building acoustics

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