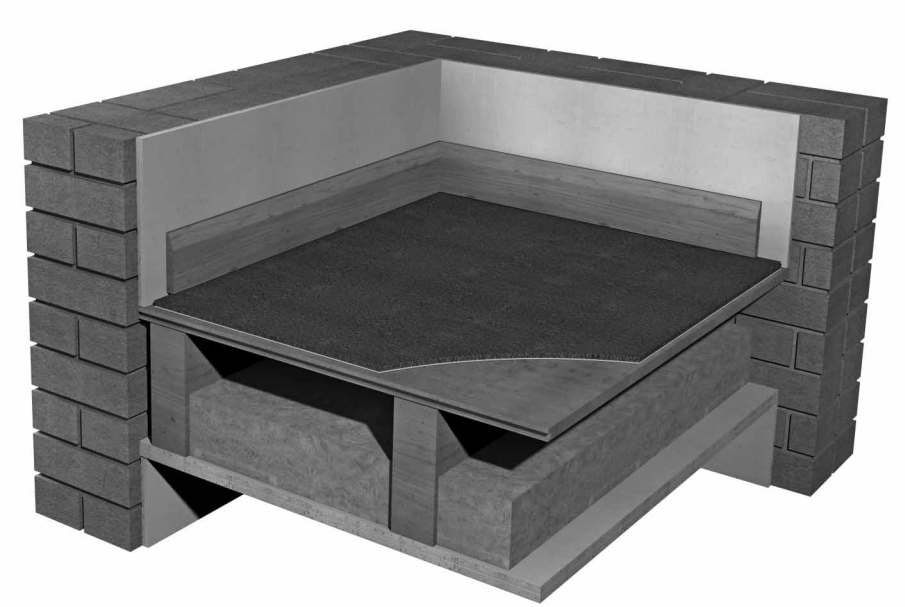
isocheck™
acoustic insulating products

Issue 4.9 January 2026

One of the isomass systems range

Impact Mat 100

Installation instructions



RESILIENT IMPACT REDUCTION LAYER

- 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

PRODUCT DATA

Overall size:	15sq.m roll
Resilient layer:	6.5mm Isolate R
Weight:	approx. 37.5kgs per roll (2.5kg/m^2)
Tog rating:	1.1 tog



DESCRIPTION

- ❏ Isocheck Impact Mat 100 is designed to reduce impact sound transmission through timber floors and staircases.
- ❏ To be used over floorboards for conversions, refurbishments, new build or listed buildings requiring minimal structural change.

- Finished floor material (for example, engineered timber).
- Isocheck Impact Mat 100 over floorboards.
- 200mm x 70mm timber joists @ 450mm centres with 100mm 45Kg/m^3 insulation between joists.
- Lath and plaster ceiling or 25mm o/a double boarded ceiling (min. 20kg/m^2) fixed to timber joists.

PREPARATION

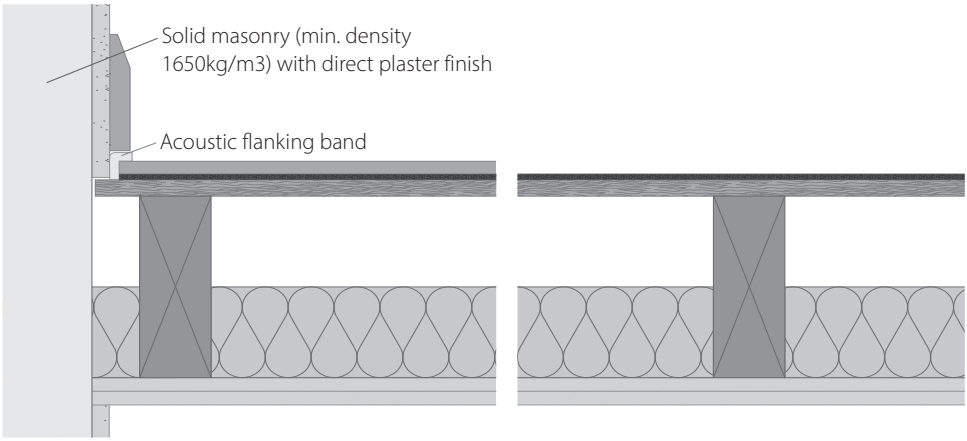
- ❏ Ensure sub-floor surface is smooth, dry and free from debris and any existing floor coverings such as vinyl or carpet tiles must be removed together with any adhesive residue.
- ❏ Secure all loose floorboards ensuring all nails and screws are driven flush and securely fixed.
- ❏ Overlay the timber sub-floor with large sheets of ply or hard board if the floorboards are irregular or uneven.
- ❏ Remove any doors that open into the room being treated along with skirting if required.

INSTALLATION - GENERAL

- ❏ Be aware that doors, skirting and socket height may need adjusting after the Isocheck Impact Mat 100 installation.
- ❏ Where you intend to use ceramic tiles or vinyl as a floor finish please contact us for additional advice.

INSTALLATION

- ❏ Roll out Isocheck Impact Mat 100 directly on top of the sub-floor so that the entire floor surface area is covered and that it is butted up to or turned up where it terminates at all perimeter walls.
- ❏ In the case of a carpet finish Isocheck Impact Mat 100 will terminate at the edge of the gripper rail. In the case of a finished timber floor, the skirting should be removed and replaced once the mat has been returned on top of the finished floor.



- ❏ Where required bond to the sub-floor with a suitable contact/tackifier adhesive.
- ❏ Finished timber floors should be isolated from the skirting using Isocheck Angled Flanking or Isolation Strip.
- ❏ Apply the finished floor surface on top of Impact Mat given due regard for the following:
  Carpets, Timber laminate panels and vinyl coverings can be placed directly over the Impact Mat 100 with an appropriate interlayer (as selected by the flooring contractor).
  All mechanical penetrations through the Impact Mat should be avoided e.g.
  A finished solid timber floor would commonly be pinned to a min. 12mm plywood interlayer and so should be avoided.

PROTECTION

- ❏ Upon completion ensure the Isocheck Impact Mat 100 is protected from any damage where appropriate.

HANDLING

- ❏ Please observe proper lifting methods and if transporting around site, by hand.

If in doubt on any area, please call Isomass prior to commencement of work.

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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