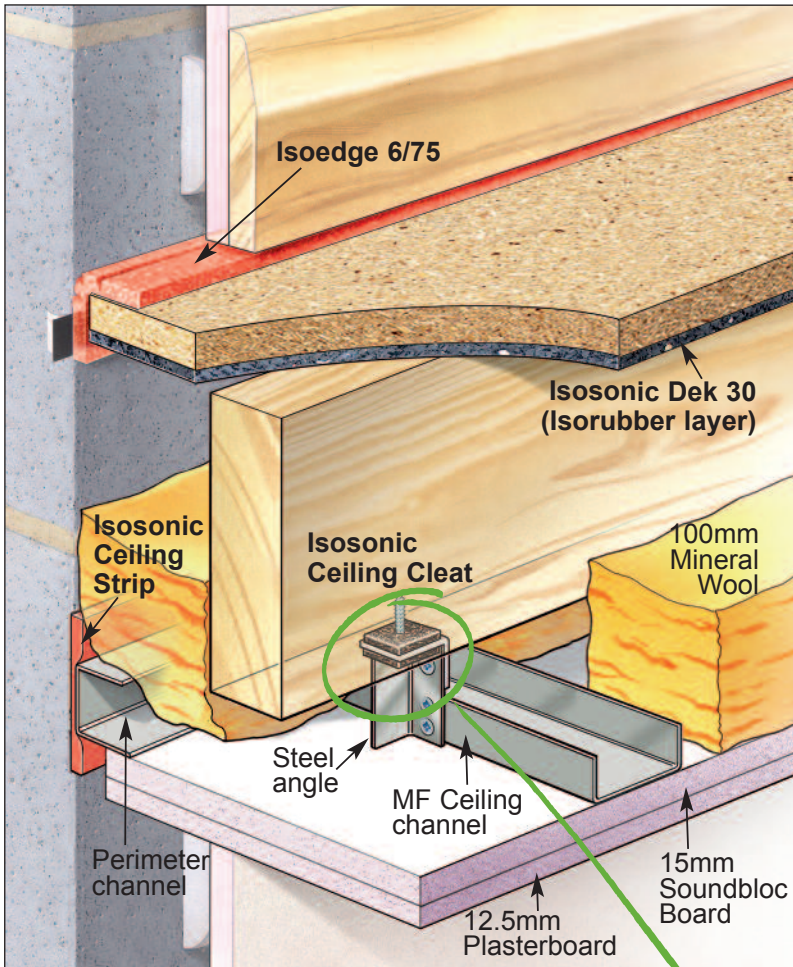




REFURB STRUCTURAL ACOUSTIC FLOOR DECK SYSTEM:
FIELD TESTED TO MEET PART E REQUIREMENTS

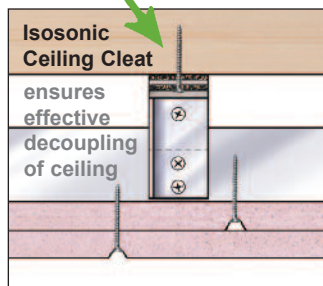


Direct to joist acoustic flooring system for refurbishment projects

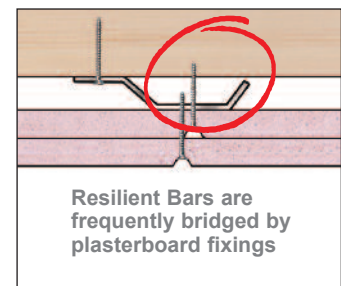
- Single fit acoustically insulating structural deck
- Free floating, glued T+G joints, no fixings to joists
- High density ISORUBBER (900kg/m²) base layer provides superior and sustained acoustic insulation
- Engineered self adhesive flanking insulation strips
- Improved acoustic floor to ceiling decoupling

Approved Doc Part E Refurb Test Requirements	Typical Site Test Results	Average site test improvement over Approved Doc. Part E requirements
Airborne Sound DnTw + Ctr	Airborne Sound DnTw + Ctr	Airborne Sound Rw + Ctr
Minimum Value 43dB	Average Value 50dB	Improvement 7dB
Impact Sound Lntw	Impact Sound Lntw	Impact Sound Lntw
Maximum Value 64dB	Average Value 58.8dB	Improvement 5.2dB

Isosonic Dekfloor 30 TEST DATA



ADVANTAGES OF ISOSONIC CEILING CLEATS



ISOSONIC CEILING CLEATS eliminate acoustic bridging caused by the frequent faulty installation of 'resilient bars'

Isosonic Dek 30 consists of 22mm flooring grade chipboard bonded to 8mm high density (910kg/m³) IsoRubber.

IsoRubber is a hard, durable product with high impact and airborne sound absorption properties.

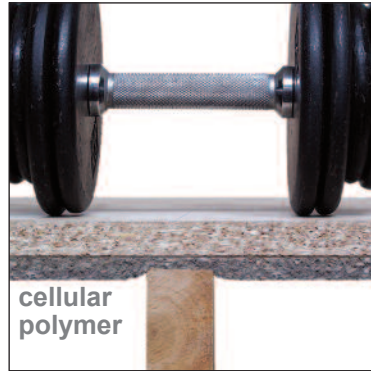
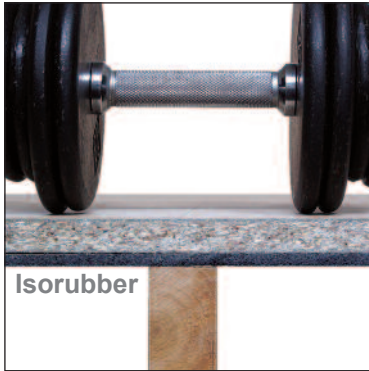


For help choosing the right product for your project please contact Thermal Economics Technical Department on 01582 544255

For all our Acoustic & Thermal insulation products visit: www.thermal-economics.co.uk



UTILISING THE ADVANTAGES OF ISORUBBER



Lasting Performance

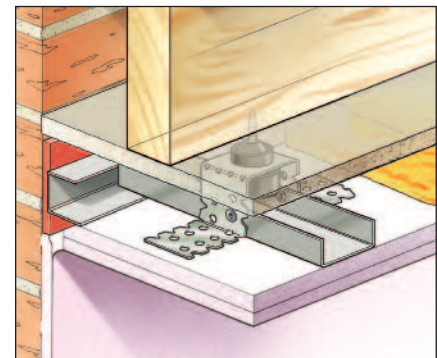
Isorubber products are durable, thin and dense. Unlike soft cellular polymer products they undergo virtually no short or long term compression under normal floor loads.

This assures that the full initial acoustic performance is maintained throughout the life of the building.

Retained ceiling detail for refurbishment - Isosonic Ceiling Bracket

Up to 17dB effective impact sound reduction.

Allows the new sound insulating fire protective ceiling to be installed without the removal of the existing ceiling.



FLOATING FLOOR DETAILS

Isosonic DekFloor 30 is designed to have fully glued T+G joints enabling it to freely float over the floor joists, without any mechanical fixings in order to reduce structural sound bridging.

It is important to fit Isoedge around the full floor perimeter in order to prevent airborne sound leakage and to allow for the possible expansion movement of the monolithic floor deck.

IMPORTANT: FLANKING SOUND TRANSMISSION

The acoustic test measurements for any given floor/ceiling construction will be greatly influenced by the **flanking sound transmission** around the perimeter of the floor. Therefore any set of acoustic measurements should only be used for predicting the performance of floors with similar constructions and flanking conditions.

The magnitude of the flanking sound transmission can in

particular be influenced by the **density** and the **integrity** of the flanking wall and by the effectiveness of the **air seal at the floor to wall and ceiling to wall junctions** i.e by **connecting air paths**.

It is **very important that the floor and ceiling to perimeter wall junctions are fully sealed in accordance with the recommendations of the Installation Guide**.

Please refer to our website for the full Installation Instructions



T: 01582 450814
F: 01582 429305
E: info@thermal-economics.co.uk
W: www.thermal-economics.co.uk



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