

TWO NEW ISORUBBER BASED SOUND INSULATION PRODUCTS FOR FLOOR REFURBISHMENT



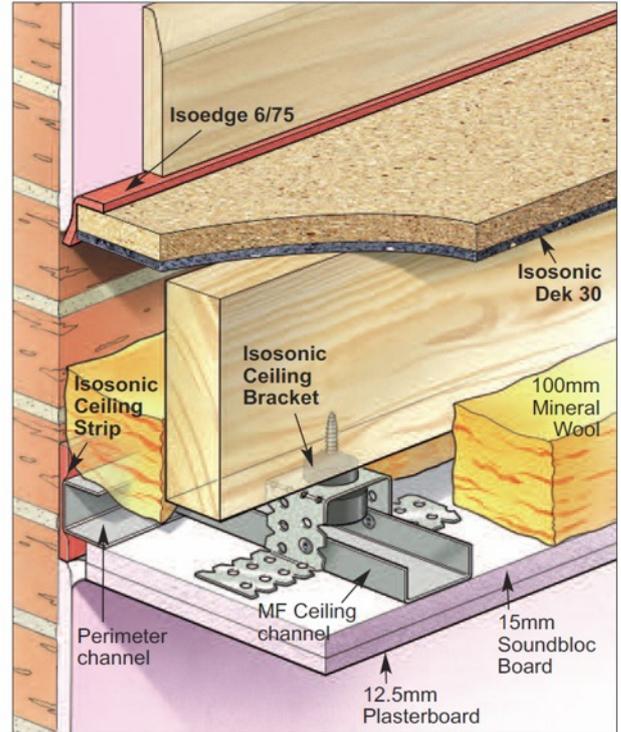
SINGLE COMBINED STRUCTURAL & ACOUSTIC DECK SYSTEM FOR TIMBER FLOORS IN REFURBISHMENT

High performance system, independently tested, exceeds Approved Document Part E (Building Regulation) requirements.

Unique System Features:

- **ISORUBBER** acoustic isolation layer is a tough, durable and dense material (over 900Kg/m³) with excellent impact and airborne sound properties.
- **ISOEDGE** perimeter acoustic seal and expansion joint reduces flanking sound transmission.
- **ISOSONIC BRACKET** absorbs kinetic (acoustic) energy, decoupling the ceiling from the structural floor.

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



ISORUBBER forms the main acoustic element in 6 Robust Detail compliant



To choose the right product for your project call Thermal Economics Technical Dept. on 01582 544255
For all our Acoustic & Thermal insulation products visit: www.thermal-economics.co.uk

Isosonic Dekfloor 30

Isosonic Dekfloor 30 is a new prime addition to the Thermal Economics *Isorubber* product range.

The board component, *Isosonic Dek 30*, forms a combined sound insulation and structural deck, applied directly to the floor joists. It is composed of an **8mm Isorubber** resilient layer bonded to V313 chipboard.

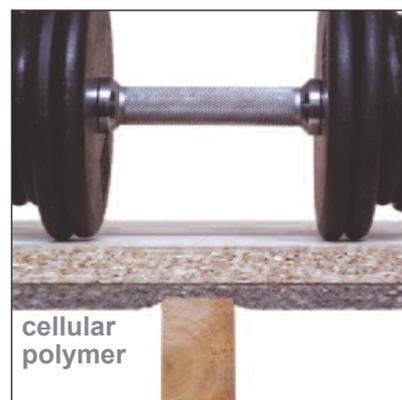
Isorubber itself is a dense, durable, low compression material with excellent impact and airborne sound properties. It forms the main acoustic component of six Robust Details.

The use of *Isorubber* in this type of acoustic and structural board provides a number of benefits over those that use foams:

- 1) Its mass, which reduces airborne sound transmission.
- 2) Its dynamic stiffness, which prevents compression (loss of resilience) at the board to joist interface.

The system is designed to reduce flanking sound leakage around the floor perimeter; a frequent problem in refurbishment work. It also employs the *Isosonic Ceiling* range of vibration absorbing hangers, brackets and cleats to facilitate the acoustic decoupling from floor to ceiling.

The *Isosonic Dekfloor 30* system has been both laboratory and site tested for compliance with Approved Document Part E (Refurbishment) requirements.





Isosonic Mat size - 8 x 800 x 1000mm

Building Regulations

Building regulations level sound insulation can be achieved on concrete and timber floors when used in combination with a **decoupled ceiling** (see Isosonic Ceiling Fixings brochure)



A simple, low cost solution for acoustic, vibration and shock absorption problems

Robust, high density mat with low compressibility made from reclaimed rubber.

Ideal for:

- Improving the sound insulation of floors
- Vibration isolation of machinery and domestic appliances
- Providing shock absorbing surfaces for play and sports areas

Floor surface finishes:

Isosonic Mats can be used as a direct underlay for Hardwood & Laminate flooring.

robustdetails®

FASTRACKCAD
ARCHITECTURAL CAD SOFTWARE

BREEAM®



T: 01582 450814

F: 01582 429305

E: info@thermal-economics.co.uk

W: www.thermal-economics.co.uk



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ISORUBBER MAT

Isorubber Mat is made from crumbed, reconstituted waste rubber.

It is a very tough and durable material with a high density (900Kg/m³). It is supplied in an 800mm x 1000mm format in thicknesses of 8mm and 12mm, weighing 5.8kg and 8.7kg per mat respectively.

A combination of resilience and density provides **Isorubber Mat** with excellent airborne sound, impact sound and vibration absorbing characteristics.

The choice of thickness is governed by the level of airborne sound and vibration absorption requirements.

The main applications are:

- To provide a fast and simple means of substantially improving the sound insulation of floors, via an easy to install surface overlay. Approved Document Part E standards may be achieved when **Isorubber Mat** is used in combination with our **Isosonic Ceiling** decoupling systems.
- To provide vibration insulation under machinery and domestic appliances.
- To provide general contact protection and shock absorbing surfaces for sports and play areas.

Isorubber Mat can be used as a direct underlay for hardwood and laminate flooring.

Due to its high density, **Isorubber Mat** undergoes virtually no compression under normal residential design loading.

For further details please refer to www.thermal-economics.co.uk or call us on 01582 450814