

ISOSONIC SCREED PLANK ACOUSTIC FLOORING SYSTEM



Screed Plank System with Isorubber HP3 Acoustic Underlay



Screed Plank System with Isorubber HP3 Acoustic Underlay and UFH pipe insulation tray

Isosonic Screed Plank + **Isorubber resilient layers**

SAVES TIME AND MONEY

EASY-FIT DRY INSTALLATION SCREED PLANK SYSTEM WITH SHALLOW BUILD DEPTH FOR ALL FLOOR TYPES

This versatile and easy-fit floor system offers time and cost-saving solutions with high acoustic performance for all floor types.

It is adaptable to any floor; newbuild or refurbishment, and reduces both airborne and impact sound transmission to meet Approved Document Part E sound insulation requirements.

The secret to it's success is the combination of two core products- **Isosonic Screed Plank** and **Isorubber Resilient Layer**. This versatile system can be adapted to create the ideal solution for your project, with a build depth of just 22mm-28mm depending on your floor type.

Isosonic Screed Plank

- Hard & robust cementitious gypsum plank with high density & mass.
- Suitable for use as a floating floor "dry screed" - saving on construction time and screed pumping.
- Suitable as a direct to joist self spanning floor.

Isorubber resilient layers

- High performance acoustic isolation and vibration reduction.
- Resilient & durable.
- Suitable for most floor finishes.



Made from recycled waste rubber

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

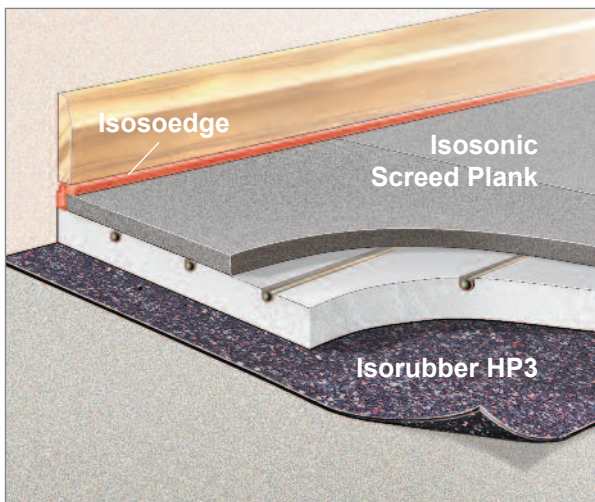
The Isosonic Screed Plank acoustic systems have been designed to provide thin, easy to install solutions that comply with Approved Document Part E requirements for new build and refurbishment. Here's how we achieve this, with the option of underfloor heating.



Available in various formats

ISP 19 - For use as a high density fully supported floating floor. Available in 19mm thickness.

ISPS 18 & ISPS 25 - For use as an extremely high density joist spanning structural deck. Available in 18mm and 25mm thickness.



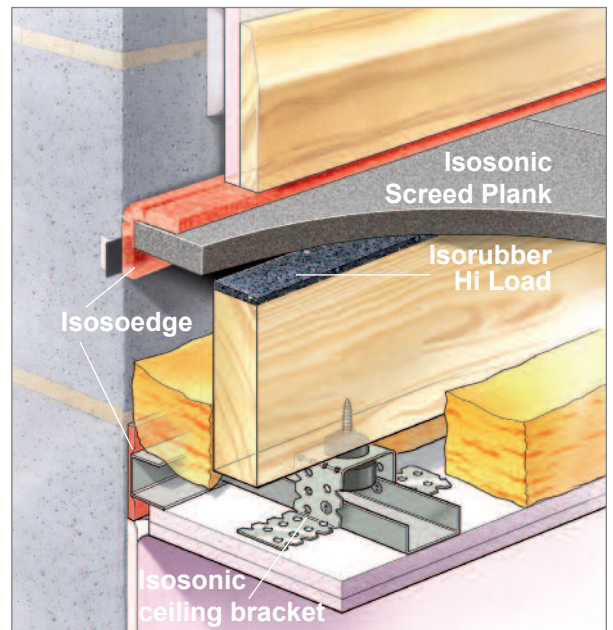
Underfloor heating application.

Isosonic Screed Planks provide an even and speedy heat distribution and are suitable for both warm water and electrical heating installations.

Site test results.

Impact LnTw	58dB
Airborne DnTw+Ctr	52dB

The table shows typical site test results for a construction of ISP over 6mm Isorubber on an 18mm structural timber deck, 240mm I joists with 100mm mineral wool between and an isolated ceiling consisting of 2 layers of plasterboard with a 100mm service void between layers.




Isorubber is available in many different variants, the most popular for these applications are:

Isorubber TF - 6mm thick reconstituted rubber mat applied as an underlay for any of the ISP range when used as a floating floor.

Isorubber HP3- 3mm reconstituted rubber mat applied as an underlay below under floor heating systems and an ISP floating floor.

Isorubber Contract - 3mm thick reconstituted rubber and cork mat applied as an overlay to the FBH18 & FBH 25 planks when used as a joist spanning structural deck.

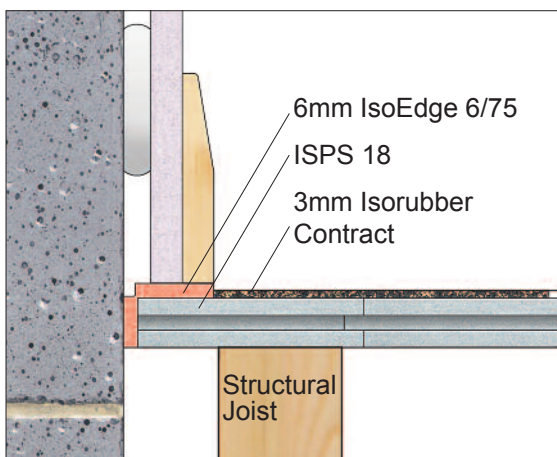
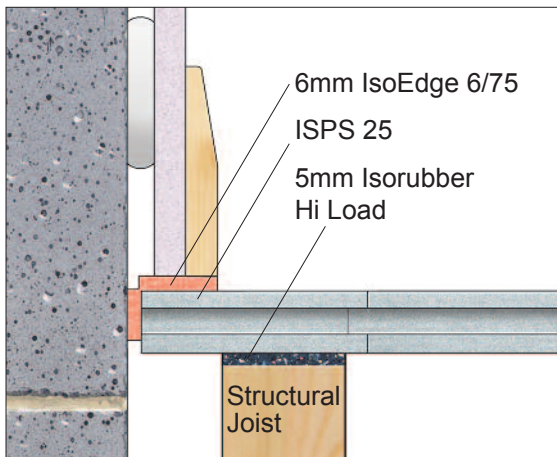
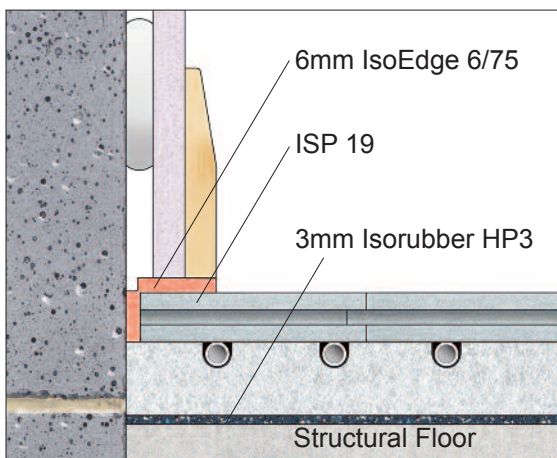
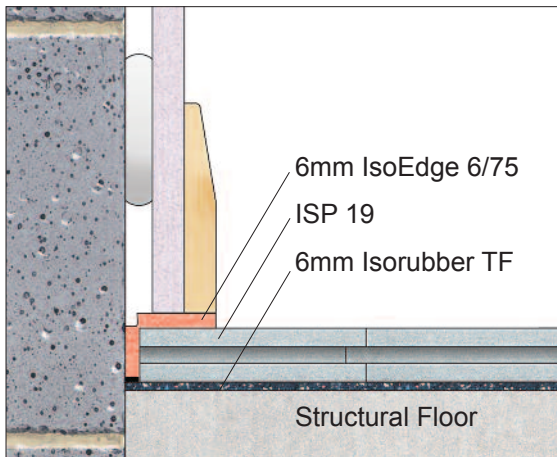
Isorubber Hi Load - 5mm thick reconstituted rubber strips applied as an acoustic decoupling between joist and FBH 18 or FBH 25 planks when used as a joist spanning structural deck.

While the Isosonic Screed Plank systems have been designed to comply with Approved Document Part E requirements sound test results are influenced by the structural floor and flanking wall constructions along with the quality of workmanship on site.

For project specific advice on how to achieve Part E compliance please contact our Technical Dept on:

Tel: 01582 544255

Email: info@thermal-economics.co.uk



ISP 19

19mm thick high density fully supported floating floor panels.

- Must be fitted over a structural deck
- Suitable for new build or refurbishment projects
- High density 1100Kg/m³
- Suitable for any floor finish
- Ideal for use with under floor heating- low thermal resistance and even heat distribution
- Provides water resistant surface

Suitable for use over structural decks including:



	Thickness	Density	Overlay	Structural deck	Plank size
IsoSonic Screed Plank - ISP19	19mm	1100Kg/m ³	✓	N/A	1200mm x 600mm

ISPS 18 & ISPS 25

18mm & 25mm thick extremely high density joist spanning structural panels.

- Can be fitted directly over joists
- Suitable for refurbishment projects
- Extremely high density 1500Kg/m³
- Suitable for any floor finish
- Ideal for use with under floor heating- low thermal resistance and even heat distribution
- Provides water resistant surface

Suitable for use as a structural deck in floor types including:



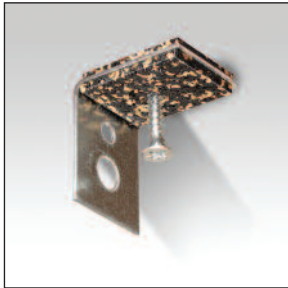
	Thickness	Density	Overlay	Structural deck	Plank size
IsoSonic Screed Plank - ISPS 18	18mm	1500Kg/m ³	✓	Over joists at max. 400mm C/C	1200mm x 600mm
IsoSonic Screed Plank - ISPS 25	25mm	1500Kg/m ³	✓	Over joists at max. 600mm C/C	1200mm x 600mm



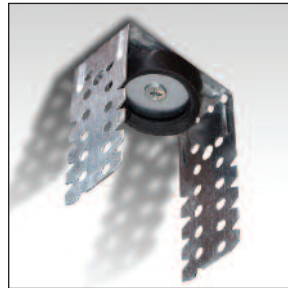
In the application of the Isosonic Screed Plank systems the acoustic performance can be further enhanced by the use of an advanced ceiling de-coupling system.



Isosonic ceiling cleats-
For MF Ceiling Systems



Isosonic ceiling brackets-
For Ceiling Channels



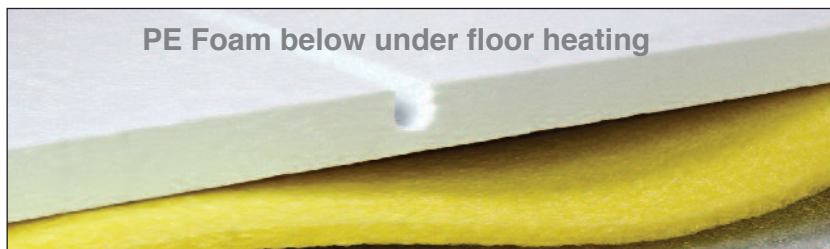
Benefits of Isorubber over low density PUR/PE foams

Acoustic insulation that does not lay flat makes the installation of Under Floor Heating difficult.

When PE foam products are laid they retain the curvature of their packaging roll. This means that the thermal insulation boards required for the under floor heating system may not lay flat and makes the installation of pipes difficult.

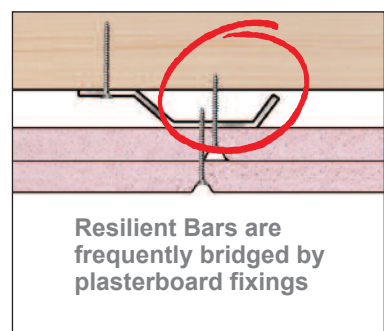
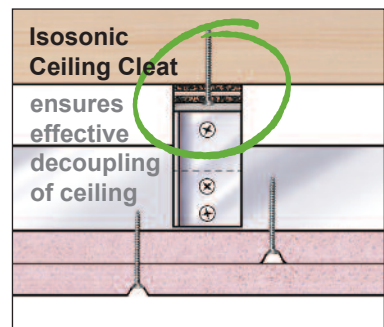
Isorubber products do not suffer from this problem as they lay flat when unrolled.

Isorubber undergoes no appreciable elastic deformation under load and therefore suffers no long term loss of acoustic performance.



Isosonic ceiling cleat

Eliminates acoustic bridging caused by the frequent faulty installation of 'resilient bars'.



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Visit our website for mobile friendly installation guides



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