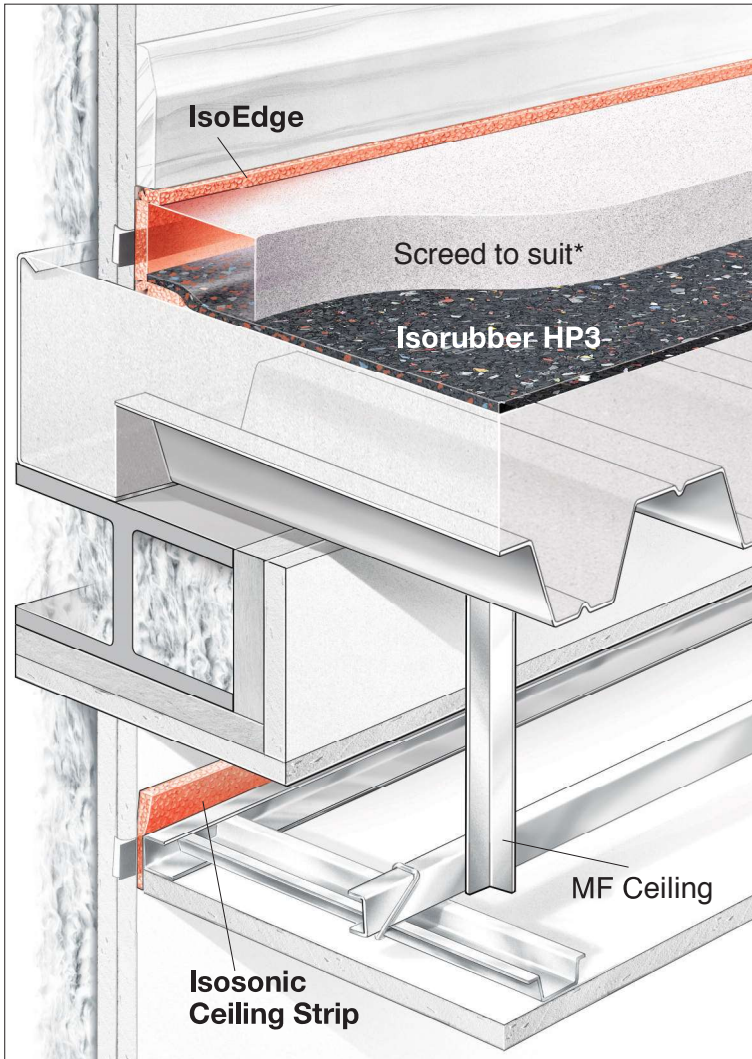


## ACOUSTIC SOLUTIONS FOR STEEL FRAME STRUCTURES



**High performance solutions for under screed,  
floating floors and soft coverings.**



\*including proprietary screeds

	Thickness	Density	Roll Size	Impact Reduction
Isorubber HP3	3mm	680Kg/m <sup>3</sup>	1m x 10m	19dB

**Isorubber HP3** is a thin, cost effective acoustic insulation for meeting Part E compliance. It is used in Candidate Robust Detail CRD39 for steel composite floors.

- Thin solution - Isorubber HP3 is only 3mm thick.
- Dense and tough with virtually no short term or long term compression under load.
- Resistant to damage and displacement during the screeding process.
- Lays flat when unrolled, making it Ideal for use with under floor heating.

Can also be used with Precast Plank, Insitu Slab and Beam & Block floors.

#### Site Test Results

Airborne	Impact
57dB + Ctr	45dB

Site test results are average values achieved in 32 tests across 5 sites. All floors tested used a steel profile deck with Isorubber HP3 as the Acoustic isolation layer.

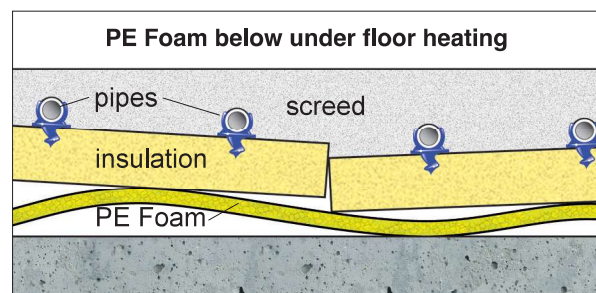
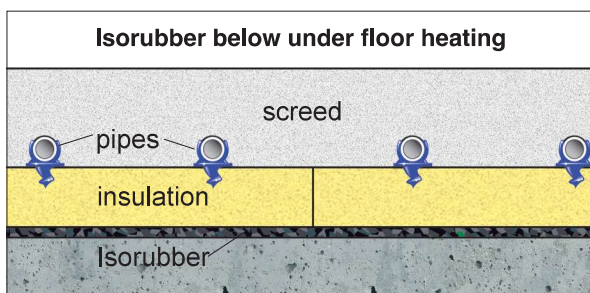
### Avoiding Installation Problems

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

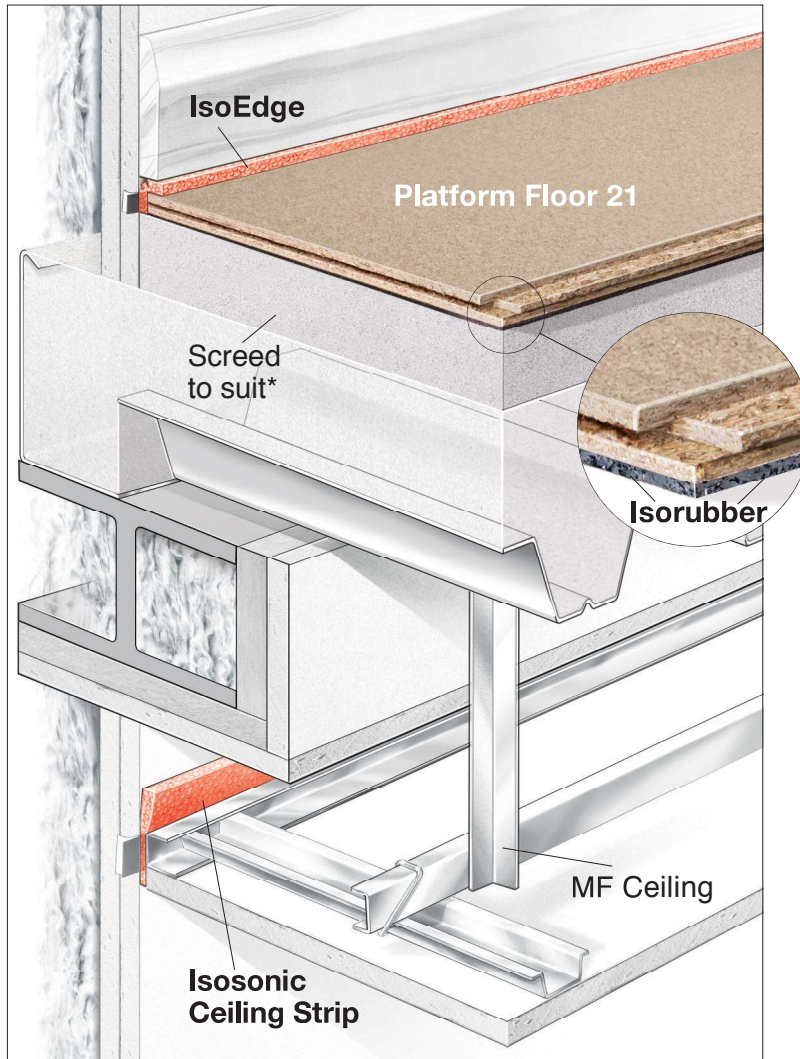
When PE foam products are laid they retain the curvature of their packaging roll. This means

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.



# Platform Floor



\*including proprietary screeds

**Platform Floor 21** is a Robust Detail FFT5 compliant acoustic floating floor designed for achieving Part E compliance.

- Easy installation with T&G joints.
- Suitable for new build and refurbishment applications.
- Robust Detail FFT5 compliant.
- Non-load bearing partitions can be built off of Platform Floor.
- Available with optional 'peel clean' protective layer.
- Suitable for all types of floor finish.

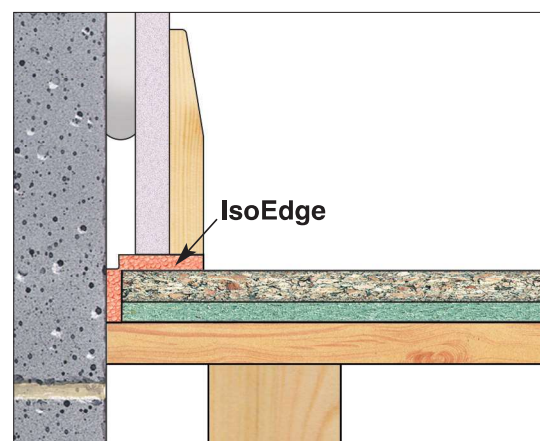
	Thickness	Weight (per board)	FFT5 Compliant	Board size
Platform Floor 21	21mm	19.89Kg	Yes	2400mm x 600mm

## Preventing Flanking Sound Transmission

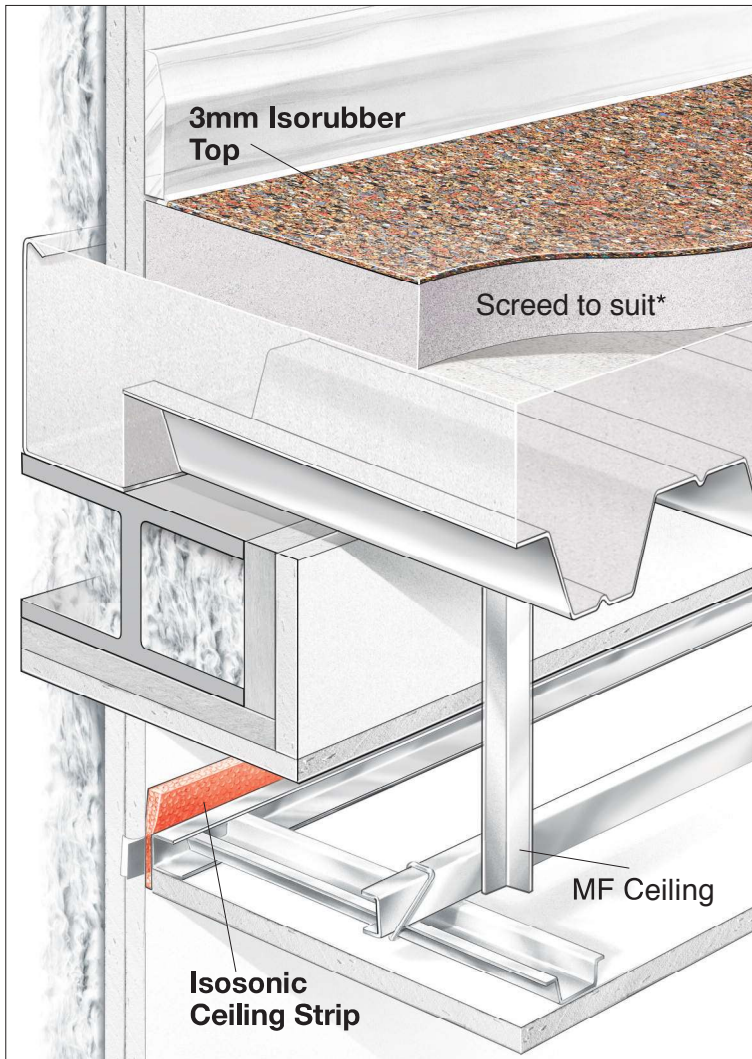
### IsoEdge

#### Flanking Isolation

IsoEdge 6/75 flanking strip isolates Platform Floor from walls, plasterboard, skirting boards and service penetrations preventing sound travelling through the structure.



# Isorubber Top



\*including proprietary screeds

**Isorubber Top** is a thin, acoustic soft covering insulation that provides excellent impact sound reduction and significant cost savings over batten and cradle systems.

- Thin solution - Isorubber Top is only 3mm thick.
- Dense and tough with virtually no short term or long term compression under load.
- Suitable for the direct application of most types of floor covering. It has been CERAM tested for use beneath ceramic tiles and SATRA tested for use beneath vinyl coverings.
- Tested for foot traffic Durability by the British Carpet Technical Centre.

	Thickness	Density	Roll Size	Impact Reduction
Isorubber Top	3mm	610Kg/m <sup>3</sup>	1m x 20m	18dB

Thermal Economics is an insulation leader in thermal and acoustic solutions for the construction market. As specialists in this field with over 30 years of success,

we continually invest in R&D to provide innovative and high-performance solutions that remain cost effective as well as meet and exceed building regulation requirements.



BREEAM®

FASTRACKCAD®  
ARCHITECTURAL CAD DATABASES

robustdetails



Made from recycled waste rubber

T: 01582 450814  
F: 01582 429305  
E: [info@thermal-economics.co.uk](mailto:info@thermal-economics.co.uk)  
W: [www.thermal-economics.co.uk](http://www.thermal-economics.co.uk)



Visit our website for mobile friendly installation guides

**Thermal Economics**  
THERMAL & ACOUSTIC INSULATION TECHNOLOGY

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](http://www.thermal-economics.co.uk)