

\*including proprietary screeds

The new generation reduced cost product with all the benefits of Isorubber Base

**Isorubber HP3**

- Dense and tough
- Virtually no short or long term compression under load
- Resistant to damage and displacement during screeding
- Isoedge facilitates 'robust' fitting around corners and services
- Versatile:  
Can be used with full range of screeds and flanking walls and plank floors

**Non Robust Detail Applications**

Isorubber HP3 can be applied to most types of concrete floors to achieve building regulation 'Approved Document E' standard sound insulation levels.

ACOUSTIC TEST PERFORMANCE		Airborne DnTw+Ctr Minimum	Impact LnTw Maximum
TEST REQUIREMENTS FOR SUSTAINABLE HOMES	1 credit	48dB	59dB
	3 credits	50dB	57dB
30 SITE TESTS ON THE ABOVE DEPICTED CONSTRUCTION	Average	51.7dB	55.8dB

The site test shows that the above construction is very likely to achieve the **Sustainable Homes 3 Credits** criteria.



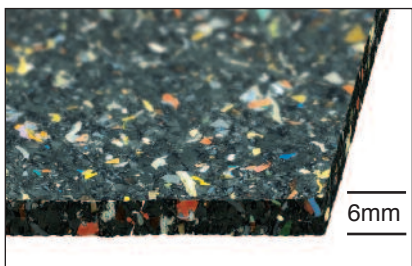
Density comparison of Isorubber HP3 to Polyethylene Foam

**Isorubber HP3** is a durable, thin but dense material which unlike soft cellular polymer products undergoes virtually no short or long term compression under normal floor loads.

Full installation instructions are provided by the '**Robust Detail E-FC-12 Installation Guide**' on our website.

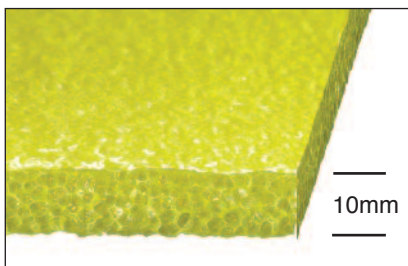
This provides assurance that the full initial acoustic performance is maintained throughout the life of the building.

6mm Isorubber HP3



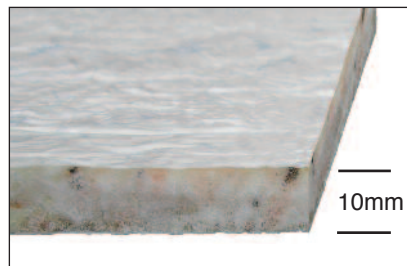
Density 600 kg/m<sup>3</sup>

Polyethylene Foam



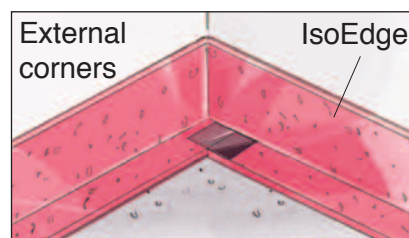
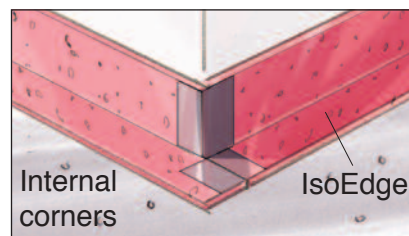
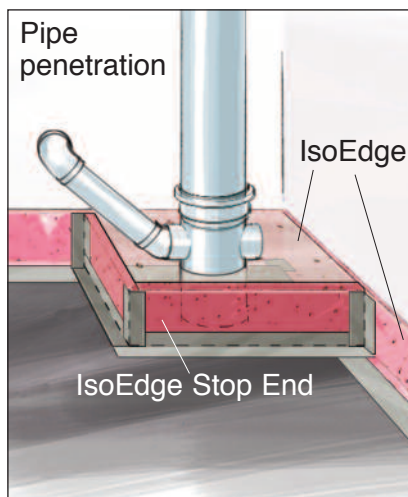
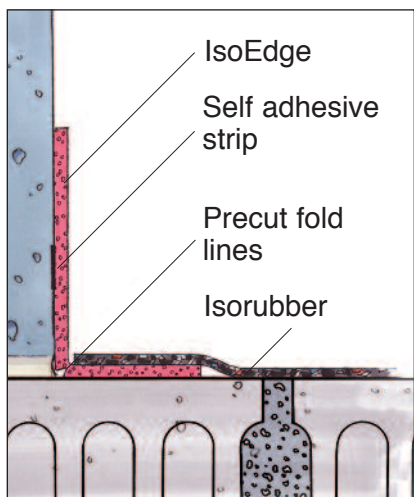
± 30 kg/m<sup>3</sup>

Reclaimed Polyurethane Foam



± 65 kg/m<sup>3</sup>

**IsoEdge** Flanking Insulation Strip: engineered for the purpose



Faulty installation of the floor perimeter is the single biggest cause of sound test failures in screeded floors.

Corners and pipe penetrations require a skillful treatment for which a simple 'monolithic' turn up of the underscreed mat is inadequate.

**IsoEdge** and **IsoEdge Stop End** are purpose

made perimeter insulation strips that provide an easy robust method for the treatment of these problematic details.

For information regarding our thermal solutions for high rise structures please refer to our thermal insulation literature or visit our website: [www.thermal-economics.co.uk](http://www.thermal-economics.co.uk)

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.



Made from recycled waste rubber

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



Visit our website for mobile friendly installation guides



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)