

category	soundproofing
description	IsoBase/IsoScreed R50 resilient layer
part code	A320 and A330



**A320 ISOSCREED/ISOBASE R50** is designed to be used as a resilient layer underneath timber or chipboard flooring, or on top of a concrete floor.

It provides excellent reduction in impact noise and vibration, and also a degree of protection against airborne noise; this product also improves thermal insulation.

IsoScreed/IsoBase is a closed cell foam that not only provides superb acoustic

performance but also has important qualities in resisting water absorption and preventing fungal and bacterial growth; this is explained by the fact that it contains no organic nutrients and therefore does not provide a culture medium for fungi or bacteria.

The foam is inert and does not rot or decay, even when exposed to high humidity and elevated temperatures.

### Applications

- Suitable for timber or concrete floors
- Reduces impact noise and vibration
- Can be used in new or converted buildings

### Benefits

- Complies with/exceeds Part E of new Building Regulations
- Gives significant reduction in impact noise and vibration
- Easy to cut and install
- Low cost
- Water resistant
- Prevents growth of fungi, bacteria and mildew
- Does not significantly raise the floor level – only 5mm thick
- Very flexible
- Does not rot or decay, even when exposed to high temperatures and humidity
- Lightweight

### How is IsoBase/IsoScreed superior to traditional foams?

Traditional open cell foams act just like a sponge and absorb up to 33% of their own weight in water, trapping air within the structure and creating a breeding ground for fungi, bacteria and mildew. Once wet, the foam will never completely dry out.

However, the closed cell structure and the homogenous compact skins of the IsoScreed/IsoBase R50 foam, combined with the water repellent properties of the polyolefins, results in a water absorption coefficient of less than 1%, when tested in accordance with ISO2896, and a water vapour transmission coefficient  $\mu$ -value of greater than 3500 when tested in accordance with ISO1663.

Furthermore, it is produced without the use of plasticisers and other fast-migrating additives, which would cause breakdown in adverse conditions. It acts as an all-in-one resilient acoustic layer and damp-proof membrane (DPM). This saves the cost of supplying and installing a separate DPM.

### Installation

Installation guidelines differ slightly depending on the type of floor being treated.

Basically, the product is laid *on top* of a concrete floor, and *between* chipboard sheets/floorboards.

For more detailed installation information, please go to the information and installation documents on our website.

[www.customaudiodesigns.co.uk](http://www.customaudiodesigns.co.uk)

### Technical Specification

Product	A320 and A330
Description	IsoBase/IsoScreed
Colour	Green
Size	30m x 0.925m (A320 small) 30m x 1.85m (A330 large)
Weight	0.17kg/m <sup>2</sup>
Thickness	5mm
Density	33kg/m <sup>3</sup>
Dynamic stiffness	14MN/ m <sup>3</sup>

Inert, physically cross-linked closed cell polyolefin foam sheet. Fine cell structure with two process skins, supplied in 30m rolls as above.