



EPE Economy Low Density Underlay



Specifications:

3mm EPE acoustic underlay

10m x 1.1m roll

Suitable for use with Woodland Lifestyle Flooring where (Impact Insulation Class) as determined by building codes must be a rating of 50 or more.



**Superior Low Density
Foam Underlay**

- 2nd storey floors
- Wooden floors
- Where a sound deadening barrier is required



UL-WL-EE-10

EPE (Expanded Poly-Ethylene) Acoustic Underlay

Technical information

Testing

This product has been tested in accordance with ASTM E492-09: Standard Test Method for Laboratory Equipment of Impact Sound Transmission Through Floor-Ceiling Assemblies Using the Tapping Machine.

It was classified in accordance with ASTM E989-06: Standard Classification for Determination of Impact Insulation Class (IIC).

**Evaluation Centre:
Intertek Testing Ltd,
Shanghai Jinqiao Branch
Building T52-8, No.1201 Gui Qiao Road,
Jinqiao Development Area
Pudong District
Shanghai 201206**

IIC (Impact insulation class) Rating

IIC testing is gauged by acoustic labs using a tapping machine with steel faced hammers striking test floor material generating sounds between 125 to 4,000 Hz. Resulting vibrations travel through the floor into the receiving side (the room below). Results of each tap are plotted and compared to the reference assembly where the IIC rating is determined from comparing these two tests. A higher number indicates better product performance.

IIC ratings for a basic concrete sub-floor with no underlay present is approx 28 to 35 IIC. The IIC ratings for basic wood structure with no underlay present is approx 40 to 45 IIC.

An IIC rating of 50 and above is generally acceptable common in global building code. Clause G6 of the NZ Building Code states that a the IIC rating of floors shall be no less than 55.

The IIC rating for this product has been established at: 72



Notes: the technical information in this publication is an abridged version, for a full copy of the comprehensive testing report please contact Woodland Lifestyle via details listed below

