

Trim Acoustics

Acoustic Underlay System



Acoustilay

Acoustilay is a unique acoustic flooring underlay. It is designed to be installed as easily and quickly as a conventional carpet underlay but with the additional benefit of acoustic insulation. Acoustilay is ideal for use in domestic applications where privacy and comfort are important. Acoustilay provides the easiest and most convenient method of improving both the airborne and impact sound insulation of an existing floor.

Acoustilay combines excellent sound insulation with all the qualities expected of a good underlay, hard wearing good dynamic loading and a luxury feel. Simply laid onto an existing timber or concrete floor and easily cut with a trimming knife.

Acoustilay offers the economy of quick installation. It is easily formed to any shape and being between only 10mm and 15mm thick it minimises the increase in floor level. Carpet is laid directly on top and fixed using either carpet grippers or adhesive. Three grades of Acoustilay are available to deal with airborne and impact noise. Airborne noise problems are usually created by speech, music, television etc. whereas impact noise is generated by footsteps, moving furniture and the like. Acoustilay 8 and 15 are used in instances where both impact and airborne noise is a concern, and Acoustilay 3 for impact noise problems only.

Benefits

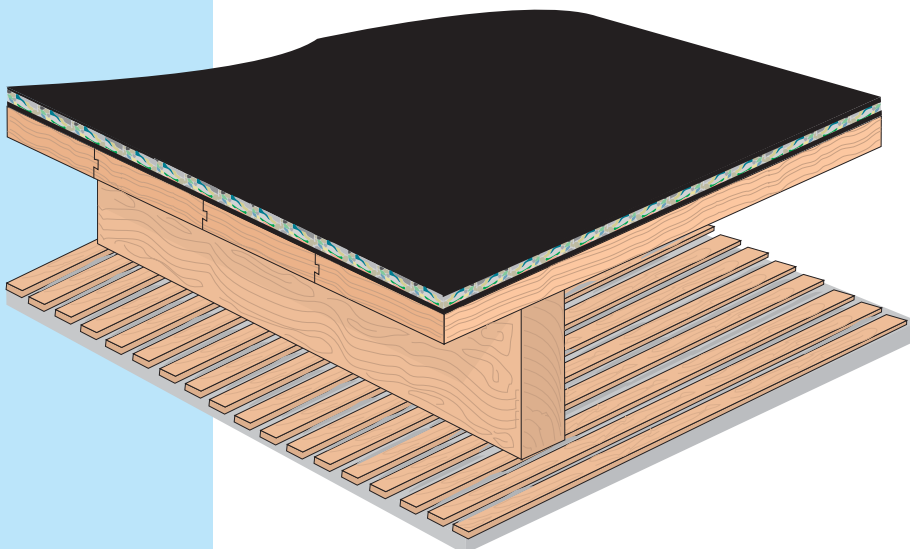
- Improves airborne sound insulation
- Reduces impact noise
- Simply laid under a carpet
- Minimises increase in floor level
- Easily cut and shaped
- Butts tight up to perimeters
- Can allow access to existing floor
- Easily and quickly installed
- Now 100% Recyclable
- Now 100% sourced and manufactured in the UK

Dimensions:

Acoustilay 15 - 1200 x 1200 x 15mm @ 15 kgm²

Acoustilay 8 - 1200 x 1200 x 12mm @ 8 kgm²

Acoustilay 3 - 1200 x 1200 x 10mm @ 3 kgm²



Acoustilay 3 is for use where only impact noise insulation is required, it has the same resilient base but the attenuating layer is reduced to a thinner flexible membrane. The overall thickness is only 10mm. Acoustilay 3 offers very high impact noise insulation and is suitable for both timber and concrete floors.

Acoustilay 8 has the same resilient base bonded to one attenuating layer, giving a thickness of only 12mm. Impact noise performance is similar to that for Acoustilay 15 but airborne noise insulation will depend to a greater extent on the existing structure.

Acoustilay 15 is for use where both airborne and impact noise insulation is required. It is constructed with a resilient foam core bonded between two flexible attenuating surfaces and has an overall thickness of 15mm.

Performance

Airborne & Impact Sound insulation on a timber floor

Product	Airborne $D_{nT_w+C_{tr}}$	Impact L_{nT_w}
Acoustilay 3		39dB
Acoustilay 8	43dB	39dB
Acoustilay 15	48dB	37dB

Impact Sound insulation on a concrete floor

Product	Impact ΔL_w
Acoustilay 3	42dB
Acoustilay 8	42dB
Acoustilay 15	42dB