

Quietfloor Slabs



This is an acoustic floor system designed to improve both the impact and airborne noise transfer through floors. Adapted from an industrial product that was originally designed to greatly reduce the sound transfer of plant machinery noise through floors, Quietfloor has proved equally successful as an acoustic underlay for domestic uses.



The sandwich composition provides maximum performance for minimum thickness and combines excellent sound insulation with all the qualities of a good carpet underlay. It is quick and easy to install and is easily cut and shaped. Overall thickness is just 12mm so it minimises the increase in floor level.

This product comprises an 8mm layer of chipfoam bonded between a top layer of 5Kg mineral loaded soundproofing mat and a base layer of 3Kg mineral loaded soundproofing mat. The base layer seals and damps the sound coming through the floor, the isolated top layer blocks the sound both ways and the chipfoam core dramatically reduces impact noise transfer.

When laid over timber floors airborne insulation in the order of 43dB $D_{nTW}+C_{tr}$ can be expected. When laid over timber floors impact insulation in the order of 39dB L_{nTW} can be expected. (A carpet will reduce this even further).

When bonded over concrete floors impact improvements in the order of Delta L_w 42dB can be expected.

When laid underneath a 22mm T&G chipboard deck, with 100mm acoustic mineral wool in the cavity space, impact insulation in the order of 60dB L_{nTW} (or less) can be expected.

Preparation:-

Before laying quietfloor you should examine the existing floorboards and firmly secure any that are loose. It would also be wise to replace any sections that are damaged or broken. It can also be beneficial to seal the gaps between the floorboards and overlay with a layer of soundproofing mat.

Installation:-

Quiet-Floor can be simply laid, or bonded, to the floor. It is essential that the sheets are laid in a staggered, brick type pattern, and that they are butted tightly up together and up to the perimeters of the room. Our aluminium tape is ideal for jointing the seams.

When using carpet grippers a strip of the black top layer and foam, the same width as the gripper, should be removed with a sharp knife. The gripper should be fitted and nailed or screwed through into the floor. Some installers add a strip of 5mm deep wooden batten to raise the level of the gripper (as shown). Quietfloor has a 5Kg/m² top layer soundproofing mat and a 3Kg/m² base layer soundproofing mat. For **BEST** performance the slabs should be installed with the **Thinner** layer to the floor.

TECHNICAL SPECIFICATIONS

Sheet Size:	1200mm x 600mm
Thickness:	
Top Layer	nom. 2.0mm
Foam	nom. 8mm
Base Layer	nom. 1.5mm
Weight: approx.	8Kg/m ²
Flammability:	
Foam	(FMVSS 302) - Self-Extinguishing
Barrier	(FMVSS 302) - Self-Extinguishing

