SOUND SOLUTIONS FOR NEW BUILD HOMES

Controlling the volume of everyday living
How to design a new project with good acoustic performance
Work while they play, sleep while they practise

Design your own sound insulation for everyday living

When designing your new home or planning an extension you now have the chance to improve your build with cutting edge sound insulation.

Developing your home to the required Building Regulations will only meet the minimum standard. However, if you are going to use your home to cope with lots of different activities, the minimum is not enough.

Maybe you want to work from home while the kids want to play. Or you like to watch a late night film while your partner prefers an early night with a good book.

We are able to provide wall and floor solutions to substantially enhance your home.

**Silent Wall**

Reduces the level of sound between rooms that are adjacent to each other.

Please note, any wall featuring a door will not deliver the performance unless the doors performance matches the wall.
**Silent Floor**

Creates noise separation between upstairs and downstairs. This allows the two floors to be zoned i.e. upstairs quiet, downstairs noisy.

It is an important consideration when converting lofts as you will be creating a new space typically directly above bedrooms.

---

**Noise Abatement Society**

The Noise Abatement Society is a national charitable foundation whose aim is to abate excessive and unnecessary noise to protect the public and improve the environment.

**What is QUIET MARK?**

Quiet Mark is an initiative that aims to create a demand for quieter technology in our homes, in our workplace and in the open air. Quiet Mark sprang from the response to public complaints received by the Noise Abatement Society’s 24/7 national noise help-line, concerning the volume of excessive noise made by household tools and appliances which invade the fabric of everyday life.

Quiet Mark has established a universal symbol and system of support for consumers and industry alike and is a vehicle to transform the aural environment for the benefit of all.

Silent Floor was awarded the Quiet Mark in October 2014 in recognition of the positive impact that it has on the aural environment in the home.
SILENT WALL
Building a GypWall CLASSIC partition

To achieve higher levels of performance your internal walls can simply be upgraded by using a wider stud (at least 70mm) and a double layer of 15mm Gyproc SoundBloc and 50mm Isover APR 1200 positioned in the cavity. This upgrade also works for timber stud partitions.

Installation
Gypframe 70 S 50 ‘C’ metal studs positioned at 600mm centres between head and base channels. 50mm Isover APR 1200 acoustic insulation placed between the studs and then two staggered layers of 15mm Gyproc SoundBloc fixed to each side of the metal frame.

View our ‘How to’ video at british-gypsum.com/how-to-videos

Components needed for Silent Wall

- **Gypframe 70 S 50 ‘C’ Stud**  
  Vertical studs to receive fixing of boards

- **Gypframe Floor & Ceiling Channels**  
  To retain studs at floor and ceiling junctions

- **15mm Gyproc SoundBloc**  
  Plasterboard with a high density core for enhanced acoustic performance

- **50mm Isover APR 1200**  
  For improved acoustic performance

- **British Gypsum Drywall Screws**  
  For fixing boards to Gypframe ‘C’ studs

- **Gyproc Sealant**  
  Sealing air paths for optimum sound insulation
**SILENT FLOOR**

Building a Gypframe Resilient Bar and Gyproc SoundBloc ceiling

To achieve higher levels of performance, the ceiling structure can be decoupled from the floor joists. Silent Floor comprises of two layers of 15mm Gyproc SoundBloc boards, 100mm Isover acoustic insulation and Gypframe RB1 Resilient Bars.

**Installation**

Gypframe RB1 Resilient Bars fixed to the underside of the joist at 450mm centres, 100mm Isover acoustic insulation placed between the joists and then two staggered layers of 15mm Gyproc SoundBloc fixed to the resilient bars.

*View our ‘How to’ video at british-gypsum.com/how-to-videos*

---

**Components needed for Silent Floor**

- **100m Isover Spacesaver Ready-Cut**
  For improved acoustic performance

- **Gypframe RB1 Resilient Bar**
  Acoustic engineered channel

- **15mm Gyproc SoundBloc**
  Plasterboard with a high density core for enhanced acoustic performance

- **British Gypsum Drywall Screws**
  For fixing boards to Gypframe Resilient Bar and fixing Gypframe Resilient Bar to timber joists

- **Gyproc Sealant**
  Sealing air paths for optimum sound insulation
“Gyproc”, “Thistle”, “Gypframe” and “Glasroc” are all registered trademarks of BPB United Kingdom Limited. “Isover” is a registered trademark of Saint-Gobain Isover and “Artex” is a registered trademark of BPB United Kingdom Limited.

BPB United Kingdom Limited is a limited company registered in England under company number 734396, having its registered office at Saint-Gobain House, Binley Business Park, Coventry, CV3 2TT, UK. BPB United Kingdom Limited trades as British Gypsum for part of its business activities.

British Gypsum reserves the right to revise product specification without notice. The information herein should not be read in isolation as it is meant only as guidance for the user, who should always ensure that they are fully conversant with the products and systems being used and their subsequent installation prior to the commencement of work. For a comprehensive and up-to-date library of information visit the British Gypsum website at: www.british-gypsum.com. For information about products supplied by Artex Limited or Saint-Gobain Isover please see their respective websites.

“British Gypsum” is a registered trademark of BPB United Kingdom Limited.