

**marmox**  
**soundBoard**  
Impact sound & thermal floor insulation



## Reducing impact noise pollution for floors below in multi-occupancy buildings



### 4 products in 1

Sound insulation ✓

Decoupling ✓

Thermal insulation ✓

Waterproofing ✓

# marmox SoundBoard

Impact sound & thermal floor insulation



Sound insulation materials are becoming more important all the time, since the problem of excessive noise can be a bane for anyone associated with the ownership of a property.

Whether you own, rent or lease a flat where tenants literally live on top of each other, it's likely the problem of having noisy neighbours will arise at some point. So, if you have to live with it or deal with the complaints as a result of it, the issue is certainly something we can all do without. Tools such as floor insulation for impact sound reduction are therefore hugely beneficial.

This is where the Marmox Soundboard comes in. Our sound proof insulation boards for tiled and wood/laminate floors not only reduce footfall sound being heard in the living space directly below, exceeding local authority requirements, but also provide waterproofing, thermal insulation and decoupling properties to stop tiles from cracking due to movement.

## Reducing sound transmission on a hard floor

Impact sound is the type of noise Marmox SoundBoard was designed to reduce. The SoundBoard effectively removes the solid link between where the impact happens (i.e. the footfall on the tile) and the ceiling by placing a layer of rubber foam between, so the sound waves do not have a medium to pass through. This delivers a significant improvement in acoustic insulation.

Ceramic tiles or wood laminate on floors can make noises such as footsteps sound even louder in the room below. Many local authorities do not allow tiled bathrooms in shared accommodation for this very reason.

Marmox SoundBoard enables floors to be tiled without the danger of causing noise pollution to the people in the room or flat below. This soundproof insulation product is available in two thicknesses: 8mm and 12mm.

While both thicknesses contribute a sound reduction of approximately 20dB, the difference between them is that the 12mm board provides more thermal insulation than the 8mm version.

Marmox SoundBoard is much more than just an impact sound reduction layer – it also provides decoupling so that lateral movement in the floor is absorbed by the board and not by the tiles so the tiles don't crack. It is completely waterproof and, as well as improving acoustic insulation, helps to lock in heat in rooms where it's fitted.

## How to install SoundBoard

The first step is to fix the boards, rubber-side down\*, to the floor. Use either a thin bed of flexible tile adhesive or Marmox Multibond. Multibond itself is a visco-elastic material so absorbs sound waves, thereby offering slightly more sound reduction and insulation than just using the boards on their own. Marmox Multibond does however take 12 hours to cure sufficiently to tile upon.



- Reduces impact sound
- High thermal insulation
- Decoupling layer
- Fully waterproof
- Use with under-tile heating
- Easy to cut
- Ready to receive tiles or wood laminate

Irrespective of which adhesion method is used, a gap of about 4mm should be left between the edge of the boards and the wall, which is then filled with a visco-elastic adhesive such as Multibond to eliminate the possibility of flanking sound happening there.

After you have installed our sound proof insulation and absorption products, tape over the joints and tile as normal.

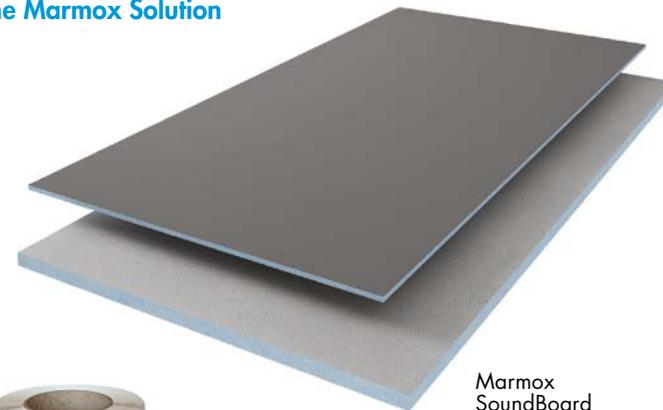
**\*When using with wood laminate flooring, the concrete face is fixed to the floor with Multibond, so that the rubber side is facing upwards in contact with the laminate.**



## Technical data

Test	8mm	12mm
Thermal conductivity	0.042 W/mk	0.04 W/mk
Thermal resistance	0.19 m <sup>2</sup> K/W	0.30 m <sup>2</sup> K/W
Compressive strength to EN826	300 kPa	300 kPa
DL <sub>w</sub> Weighted impact sound reduction to ISO 140-8	28 dB	28 dB
As above (with tiled surface)	20 dB	20 dB
Dimensions	1250mm x 600mm	1250mm x 600mm
Weight	4.5kg	4.9kg

## The Marmox Solution



Marmox SoundBoard



Marmox Self-adhesive waterproof tape



Marmox Multibond adhesive and sealant

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## Quality Assurance

We are committed to the highest standards of excellence

A commitment to the highest standards of quality assurance underpins everything we do.

Below are some of our current accreditations.



NBS Plus

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