



Floor impact sound insulation

Keeps the heat up and the sound down!

Impact sound is structural vibration, transmitted from a point of impact. The most common cause of impact noise is the sound of footsteps on a floor above. This is where the vibration is transferred through the wood, concrete, bricks and beams. Adding ceramic tiles increases the vibration and makes the noise clearer and louder. This can be a common problem when tiling. Marmox has created the SoundBoards to solve this problem.



- reduces sound (DL_w) by 20db
- reduce heat loss by up to 60%
- load bearing - 30 tonnes/m²
- easy to cut with a saw or knife
- ready to receive tiles
- fully waterproof



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What are SoundBoards?

Marmox SoundBoards offer the same waterproof thermal insulation as standard Multiboards but with an impact absorbing layer bonded to the surface. This board has been designed for use as a tile backer board on timber or concrete floors where thermal insulation, waterproofing and a reduction in impact noise is required. SoundBoard is lightweight and very easy to use as it can simply be cut with a knife. SoundBoards are ideal for use with underfloor heating wire.

Impact sound is easily reduced by isolating the surface experiencing the impact (in this case the tiles) from the rest of the floor. Tiles are fixed and grouted to the surface of the Marmox sound reduction board by normal methods. However the side with the sound attenuating layer effectively isolates the tiles and the tile backer board from the floor so the impact sound vibrations cannot be transmitted into the room below.

Marmox SoundBoard sizes

thickness (mm)	width (mm)	length (mm)	weight (kg)	R value
8	600	1250	1.81	0.10
12	600	1250	1.95	0.16

Technical data

Detail

- Weighted reduction in impact sound (DL_w)**
- Thermal conductivity - 8mm board**
- Thermal conductivity - 12mm board**
- Water absorption**

Performance

- ΔL_w = 20db**
- 0.039 W/m.K (R value=0.23)**
- 0.035 W/m.K (R value=0.34)**
- (EN53428) zero**

