

Product Use: Intermediate substrate to ceramic and stone tiling on internal flooring providing thermal and acoustic insulation. *Suitable beneath under-tile heating systems.*

Product Ref: Marmox SoundBoard
Manufacturer: Marmox Ltd

Description: 36kg/m³ density XPS covered on both sides with fibreglass mesh encased in a 0.75mm (*approx*) layer of polymer modified concrete which permanently bonds the mesh to the polystyrene. On one concrete face a 2mm thick layer of synthetic rubber has been bonded.

Dimensions: Board Width = 600mm
Board Length = 1250mm

Thickness: 8mm, 12mm

Specification: Marmox SoundBoard, 600mm x 1250 mm x 8mm / 12 mm is used as the tile backer board on a floor fixed to concrete or timber substrate with adhesive only (*either tile adhesive or a visco-elastic adhesive such as Marmox Multibond*).

To use Marmox SoundBoard as a waterproof layer, cover the joints with Marmox self-adhesive waterproof tape in the areas prone to water ingress.

Properties: Thermal Insulation (λ) = 0.035 / 0.039W/mK and Impact Sound Insulation on a tiled surface (ΔL_w) = 20dB. Offers a waterproofing and Decoupling layer.

Authorities: ISO9001 (*Bureau Veritas*).

CE Marking: No corresponding European Standard.

Fixing system: **1)** Must be fixed onto a flat stable surface. **2)** Old floorboards can exhibit movement and unevenness so should be covered and screw-fixed with a thin layer of plywood. **3)** Boards are fitted rubber face down leaving the concrete surface on to be tiled.

Fix to timber / concrete / screed / metal raised access floor / existing tiled floor using either: -

- Thin layer of solvent-free visco-elastic adhesive (*e.g. Marmox Multibond*) or cement based tile adhesive spread evenly.
- Leave a 5mm gap around the edge of the room and fill with visco-elastic adhesive.
- Butt boards together leaving no gaps and cover the joints using reinforcing tape (*in dry and damp areas*) or waterproof tape (*in wet areas*).

With electric Underfloor Heating: -

- Ensure boards are secured to sub-floor as above.
- Fix the underfloor heating elements directly onto the concrete surface of the Multiboard using the appropriate fixings.
- Cover with a layer of self-levelling compound to just cover the wires (*Tile adhesive may also be used to fill up to this level which can be extended to fix the tiles*)

Joints: Close butt, leave no gap between boards.
Leave a 5mm gap between the boards and the wall in timber floors.
Fill in all gaps with visco-elastic adhesive.

Treatment: IN WET AREAS: seal the joints with Marmox self-adhesive waterproof tape (*supplied as a 10m roll*)

IN DRY / SLIGHTLY DAMP AREAS: Cover the joints with Marmox self-adhesive reinforcing tape and /or Marmox Multibond (*modified PU adhesive/sealant*)

Tiles are fixed directly to the boards without the need for priming.

Limitations:

- 1) Marmox SoundBoard is designed for **FLOORS ONLY**, it reduces impact sound so would be ineffective on walls.
- 2) Not suitable for mechanical fixing (*screws will reduce acoustic properties*).
- 3) Compounds containing organic solvents must not come into contact with Marmox board.
- 4) Temperatures in excess of 80°C are not appropriate.
- 5) The board can compress if point load pressure is applied therefore tiles no smaller than 5cm x 5cm should not be used on the floor.
- 6) Should not be installed upon fresh concrete / screed that is not at least 28-day cured as the waterproof nature of the board will limit evaporation.