

Specification: Tile backer board on a plywood sheet flooring

Product Ref:	Marmox Multiboard (4/6/10/12.5/20/30/40/50/60mm)
Product Use:	Intermediate substrate to ceramic and stone tiling on a plywood sub-floor.
Manufacturer:	Marmox Ltd
Address:	Marmox UK Ltd, Caxton House, 101 Hopewell Drive, Chatham, Kent ME5 7NP. 01634 835290; Email: info@marmox.co.uk; http://www.marmox.co.uk/.
Description:	Extruded polystyrene covered on both sides with fibreglass mesh encased in a c.0.75mm layer of polymer modified concrete which permanently bonds the mesh to the polystyrene.
Dimensions:	Board Width = 600mm, Board Length = 1250mm, Thickness = 4/6/10/12.5/20/30/40/50/60mm
Authorities:	BBA Certified (09/4687), ISO9001 (Bureau Veritas), Energy Saving Trust Recommended for insulation.
CE Marking:	EN13164 – T1 – CS(10\Y)400 – CC(2/1/10)115 – WL(T)3

USING TILE ADHESIVE

Marmox Multiboard is fixed to the plywood on a continuous bed of flexible cement-based tile adhesive. Boards are configured in a brick-bond pattern when possible. A 5mm gap is left between the boards and the wall which is filled with Marmox Multibond. Prior to tiling, cover the board joints with scrim tape and ensure that any expansion gaps are filled with Marmox Multibond

If a completely waterproof layer is required

All board joints are covered with Marmox self-adhesive waterproof tape instead of reinforcing (scrim) tape

USING SCREWS AND WASHERS

Marmox Multiboard, 600 X 1250 X 4/6/10/12.5/20/30/40/50/60mm is fixed to the plywood using screws and Marmox washers at 300mm centres (15 fixings per board – irrespective of board thickness). Boards are configured in a brick-bond pattern when possible. A line of Marmox Multibond is applied to each board edge sealing and securing the boards together. A 5mm gap is left between the boards and the wall which is filled with Marmox Multibond and a dab of this is also applied over the screw holes for waterproofing.

If a completely waterproof layer is required

All board joints are covered subsequently with Marmox self-adhesive waterproof tape.

Notes

Using Screws and washers is less effective than using tile adhesive to fix the boards with. Mechanical fixings are counter-productive because a) they pierce the waterproof barrier and b) they reduce the flexibility of the foam core which is there to absorb lateral movement in the subfloor to prevent tile/grout cracking.

Properties

- Resistant to external environment and temperatures.
- Low thermal conductivity (0.034W/mK) unaffected by moisture.
- Does not expand or contract as temperature and humidity alters.
- Absorbs lateral movement in the sub-floor to reduce the risk of cracking in the paved/tiled surface.
- Completely impermeable to water.

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Limitations

1. Compounds containing organic solvents (including solvent-based tile sealers) must not be used.
2. Temperatures in excess of 75°C are not appropriate.
3. 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.
4. If the floor includes expansion joints, Multiboards must not be fitted over them.