

## Specification: Tile backer board as part of an external patio

**Product Ref:** Marmox Multiboard / Marmox Sloping Board

**Product Use:** Provision of a flat and stable surface in order to be able to tile an external timber floored terrace, decking or timber based floor.

**Manufacturer:** Marmox Ltd

**Address:** Marmox UK Ltd, Caxton House, 101 Hopewell Drive, Chatham, Kent ME5 7NP.  
01634 835290; Email: [sales@marmox.co.uk](mailto:sales@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.

<b>Dimensions suitable:</b>	Marmox Sloping Board: Width = 600mm, Length = 1250mm, Thickness: 33 sloping to 10mm Multiboard: Width = 600mm, Length = 1250mm, Thickness = 10/12.5/20/30/40/50/60mm
-----------------------------	---

**Properties:** Waterproof and freeze-thaw resistant  
Low thermal conductivity (0.034W/mK) so acts as a thermal break.  
Dimensionally stable irrespective of temperature and humidity conditions.  
Absorbs lateral movement from the ground before it reaches the tiling thereby reducing the risk of cracking in the paved/tiled surface.

**Authorities:** ISO9001 (*Bureau Veritas*), Energy Saving Trust Recommended for insulation.

**CE/UKCA:** EN13164 – T1 – CS(10\Y)400 – CC(2/1/10)115 – WL(T)3

**Fixing Method:** Marmox Multiboard / Sloping Board is fixed to the stable plywood base with continuous layer of external grade tile adhesive.  
Boards can be stacked if a greater thickness is required.

### Ensuring Drainage

- The plywood base must be flat, stable and exhibit no movement.
- The plywood should be treated to make it waterproof before fitting the Marmox boards on top.
- Unless using 'Sloping Board', when laying the boards, the thickness of the adhesive should be made thicker at one edge to give a slight slope to the boards.

### Laying the Boards

- Marmox Boards are configured in a brick-bond pattern when possible.
- Some adhesives recommend using a primer. The instructions of the adhesive manufacturer should be followed – the Marmox board is essentially taking the place of a tile.
- Marmox Multiboard or Sloping Board is fixed to the plywood using a continuous layer (c.3 to 10mm) of an external grade tile adhesive.
- Lay and evenly push the Marmox board into position and check the flatness.

## Specification: Tile backer board as part of an external patio

- Lay subsequent Marmox boards with a small gap of c.2-3mm between boards.
- After 24 hours, apply a line of Marmox MSP-360 into the gaps between boards which seals the boards together making a waterproof barrier. *MSP-360 can be applied to surfaces and materials which are damp so the boards do not need to be completely dry when this is applied.*
- If necessary, another layer of Marmox boards can be adhered on top of the first layer using tile adhesive (2 -3mm)

### 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. Tiles no smaller than 5cm x 5cm should be used on the floor.