

**Specification: Tile backer board on flat plastered Walls**

**Product Ref:** Marmox Multiboard

**Product Use:** Intermediate substrate to ceramic and stone tiling masonry walls (*not including aircrete / AAC block walls*) which already have a layer of plaster or paint.

**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 allowed for this detail:</b>	STD.	Width: 600mm, Length: 1250mm, Thickness: 4, 6, 10, 12.5, 20, 30, 40, 50, 60mm
	LONG.	Width: 600mm, Length: 2500mm, Thickness: 10, 12.5, 20, 30, 40, 50, 60mm
	BIG.	Width: 1200mm, Length: 2400mm, Thickness: 12.5, 20mm

**Properties:** Decoupling between the tiled surface and the sub-structure, thermal Insulation unaffected by moisture, waterproofing, and enhanced tile adhesion.

**Authorities:** 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

**Fixing Method:** The Marmox board is fixed to the plastered, painted or coated wall with screws and washers.

- A 5mm expansion gap around the perimeter of the boards should be planned and filled with MSP-360.
- A bead of MSP-360 is applied to all board edges to ensure moisture is blocked from the plaster.
- Boards can be aligned vertically or horizontally in a staggered (*Brick-bond*) format.
- Marmox Multiboard is fixed to the flat plastered wall with screws and washers every 300mm.
- Screw holes are sealed with a dab of Marmox MSP-360.
- Scrim tape (*reinforcing tape*) should be placed over all board joints prior to tiling with adhesive except in wet areas where Marmox self-adhesive tape should be used instead.
- The plastered surface must be sound and flat.

**Notes:**

- 1) Using a frame to fix the boards above a plastered wall is not ideal as that could encourage moisture to concentrate within the plaster which could swell and weaken over time. It is preferable, to remove the plaster so that the boards can be bonded directly to the masonry (*Specification IW1*) and provide a stronger, more durable bond.
- 2) If the plastered wall is uneven, consideration should be given to removing the plaster and fitting the boards directly on the masonry. Alternatively, if the plastered wall is too uneven for direct bonding, Marmox boards can be fixed to timber battens (*Specification IW5*) preferably with the plaster removed.
- 3) Sealing the boards together with MSP-360 ensures a continuous waterproof barrier protecting against ingress of water – this is particularly important as the plaster coating needs to be kept dry.

## Specification: Tile backer board on flat plastered Walls

- Limitations:**
- 1) Compounds containing organic solvents must not come into contact with Marmox board.
  - 2) Temperatures in excess of 75°C are not appropriate.
  - 3) The top edges of large format tiles should not line up with the top edge of the Marmox board but be placed over the joints of two or more Marmox boards.