

**Specification: Tile backer board on external rendered Walls**

**Product Ref:** Marmox Multiboard

**Product Use:** Intermediate substrate to ceramic and stone tiling external walls which have an existing render coating.

**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</b>        | STD. | Width: 600mm, Length: 1250mm, Thickness: 10, 12.5, 20, 30, 40, 50, 60mm |
| <b>allowed for</b>       | LONG | Width: 600mm, Length: 2500mm, Thickness: 10, 12.5, 20, 30, 40, 50, 60mm |
| <b>this application:</b> | 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  
 enhanced tile adhesion.

**Authorities:** ISO9001 (*Bureau Veritas*), Energy Saving Trust Recommended for insulation.  
 BS EN 5385-2: Code of practice for the design and installation of external ceramic wall tiling.

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

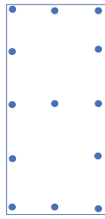
**Fixing Method:** The Marmox board is fixed to the wall with both tile adhesive and fixings. The rendering must be level and sound with no damaged or loose areas of render.

- The rendered surface must be sound and flat and be primed in accordance with the tile adhesive manufacturer’s recommendations.
- Boards can be aligned vertically or horizontally in a staggered (Brick-bond) format.
- Marmox Multiboard is fixed onto a continuous bed of external grade tile adhesive (3-5mm thick).
- Determine the nature of the wall behind the render and select appropriate fixings for that type of wall. After curing, the bonding is reinforced with mechanical fixings and Marmox washers.
- If a completely waterproof layer is required a small square of self-adhesive waterproof tape should be cut out and placed over the head of the fixing to waterproof it
- Whether the boards are aligned vertically or horizontally, the following fixing pattern (*shown on the next page*) should be followed.
- As an alternative to screws, washers and plugs, Marmox Dowel fixings may be used for concrete (*but not aircrete*) blocks

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### FIXING PATTERN

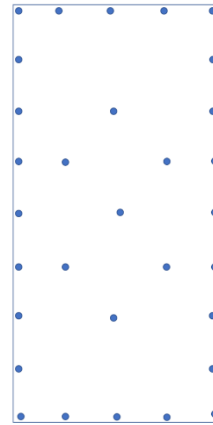
STD boards (600 x 1250mm), use 13 fixings per board (every c.300mm around the edges with one in the centre of the board)



LONG boards (600 x 2500mm), use 23 fixings per board (every c.300mm around the edge with three along the middle)



BIG boards (1200 x 2400mm), use 31 fixings per board (every c.300mm around the edge with 7 evenly distributed in the centre)



### Notes:

1. If the rendered wall is uneven, consideration should be removing the render and fitting the boards directly on the masonry (*follow spec EW1*) or adding a ventilated timber frame (*follow spec EW4*)
2. Any secondary coating (e.g. paint) on the render coating should be removed.
3. All connections to building features e.g. window frames, are sealed with Marmox MSP360.
4. Sealing the boards together with Marmox MSP360 ensures a continuous waterproof barrier protecting against ingress of water.
5. A 5mm movement gap should be created between the Multiboard and any restraining surface of 5mm which should be filled with Marmox MSP360.

### Limitations:

1. Compounds containing organic solvents must not come into contact with Marmox board.
2. Temperatures in excess of 75°C are not appropriate.
4. This application is not suitable for use on the outside of buildings at heights above 11m in the UK or Ireland.