

Specification: Tile backer board on external masonry (not aircrete) Walls

Product Ref: Marmox Multiboard

Product Use: Intermediate substrate to ceramic and stone tiling on uncoated external concrete or brick walls.

Manufacturer: Marmox Ltd

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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.

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|--------------------------|-------|---|
| Dimensions | STD. | Width: 600mm, Length: 1250mm, Thickness: 10, 12.5, 20, 30, 40, 50, 60mm |
| allowed for | LONG. | Width: 600mm, Length: 2500mm, Thickness: 10, 12.5, 20, 30, 40, 50, 60mm |
| this application: | 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.
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 bare masonry wall with a continuous layer of tile adhesive.

- The concrete, concrete blocks or bricks should 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 Multiboards are fixed onto a continuous bed of external grade tile adhesive (3-5mm thick).
- A bead of Marmox sealant (Marmox MSP-360) is applied to all board edges.
- For tiling above a height of 2 metres, the boards are also mechanically fixed with screws and washers positioned every 600mm.
- All screw-fixings are sealed with Marmox MSP-360.
- Scrim tape (*reinforcing tape*) should be placed over all board joints prior to tiling with adhesive.

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Notes:

1. All connections to building features e.g. window frames, are sealed with Marmox MSP360.
2. Sealing the boards together with Marmox exterior grade sealant (MSP360) ensures a continuous waterproof barrier protecting against ingress of water. This sealant should be squirted into the fixing holes before inserting the anchors.
3. A 5mm movement gap should be created between the Multiboard and any restraining surface 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.
3. Fixing by the dot and dab method (*using tile adhesive and concrete dowels*) is not ideal for external use as this could create unventilated voids behind the boards which could accumulate moisture.
4. This application is not suitable for use on the outside of buildings at heights above 11m in the UK or Ireland.