

Specification for use as tile backer board on uneven masonry internal Walls

Product Ref: Marmox Multiboard

Product Use: Intermediate substrate to ceramic and stone tiling on internal masonry (*excluding aircrete*) walls.

Manufacturer: Marmox Ltd

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01634 835290; Email: 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.

Dimensions allowed for this detail:	STD.	Width: 600mm, Length: 1250mm, Thickness: 12.5, 20, 30, 40, 50, 60mm
	LONG	Width: 600mm, Length: 2500mm, Thickness: 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, Enhanced tile adhesion.

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

Fixing Method: The Marmox board is fixed to the masonry wall with tile adhesive and fixings. The masonry wall should not be coated or covered with any surface covering, for example – paint, plaster.

a) Boards can be aligned vertically in a staggered (Brick-bond) format.

- Boards are fixed with dabs of cement-based tile adhesive NOT plasterboard adhesive.
- Marmox Multiboard is fixed onto the masonry with the following number of dabs...

For STD board – five dabs of tile adhesive (*one in each corner and one in the middle*)

For LONG board – eight dabs of tile adhesive (*three along each long edge and two in the centre*)

For BIG board – fifteen dabs of tile adhesive (*at c.600mm centres*)

- After curing, Marmox Dowel fixings *see note 2* are used to reinforce the adhesion.
- 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.
- Scrim tape (*reinforcing tape*) should be placed over all board joints prior to tiling with adhesive.
- If a completely waterproof layer is required (*if essential to keep moisture out of the masonry*), all board joints are covered with Marmox self-adhesive waterproof tape instead of reinforcing tape (*scrim tape*)

Specification for use as tile backer board on uneven masonry internal Walls

a) Boards can be aligned horizontally in a staggered (Brick-bond) format.

- Boards are fixed with dabs of cement-based tile adhesive *NOT plasterboard adhesive*.
- Marmox Multiboard is fixed onto the masonry with the following number of dabs...

For STD board – seven dabs of tile adhesive (*three along each long edge and one in the middle*)

For LONG board – twelve dabs of tile adhesive (*five along each long edge and two in the centre*)

For BIG board – fifteen dabs of tile adhesive (*at c.600mm centres*)

- After curing, Marmox Dowel fixings *see note 2* are used to reinforce the adhesion.
- 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.
- Scrim tape (*reinforcing tape*) should be placed over all board joints prior to tiling with adhesive.
- If a completely waterproof layer is required (*if essential to keep moisture out of the masonry*), all board joints are covered with Marmox self-adhesive waterproof tape instead of reinforcing tape (*scrim tape*)

Notes:

1. 10mm diameter holes for the fixing dowels are made in the board before applying the dabs of adhesive to ensure that these are in the correct positions.
2. Screws, Marmox washers and wall plugs may be used as an alternative to the Marmox fixing Dowels.

Limitations:

- 1) The maximum **hanging weight** of tiling and adhesive is limited only by the properties of the tile adhesive as similar hanging weights to those achieved with bonding tiles to concrete will be obtained by bonding tiles to Marmox. Typically, bonded with a continuous bed of adhesive, this would be in excess of 100kg/m². This weight may be less if fixed by this method where the hanging weight is reliant on the fixings and the five dabs of adhesive.
- 2) Compounds containing organic solvents (*including organic based tile sealants*) must not come into contact with Marmox board.
- 3) Temperatures in excess of 75°C are not appropriate.
- 4) The board can compress if point load pressure is applied. A supported square of plywood (*e.g. 5cm x 5cm*) should be fixed into position with tile adhesive replacing the Marmox in the areas where there may be point loading from heavy shelving, hanging lavatories etc.