

Specification: Tile backer board on pre-clad internal stud Walls with 300mm centres

Product Ref: Marmox Multiboard

Product Use: Intermediate substrate to ceramic and stone tiling on timber or metal stud walls which already have a layer of either plywood, OSB or plasterboard on them.

Manufacturer: Marmox Ltd

Address: Marmox UK Ltd, Caxton House, 101 Hopewell Drive, Chatham, Kent ME5 7NP.
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 with this detail:	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

THIS SPECIFICATION IS FOR USE WHEN THE CENTRES ARE 300mm IN WHICH CASE ANY THICKNESS CAN BE USED. USE IW6 (600centres) IF CENTRES ARE 600mm (MINIMUM THICKNESS THEN IS 12mm)

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

Authorities: BS EN 5385-1: Code of practice for the design and installation of internal floor tiling. 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 onto an intermediate layer of plywood, OSB or plasterboard with screws and washers which need to be secured through this intermediate layer into the frame behind.

- Studs should be 300mm apart so that when the Marmox boards are subsequently fitted, all the edges of these boards will be supported - additional horizontal noggins may therefore be required.
- The intermediate boarding is fixed to the stud frame. It must not show any deflection.
- Marmox Boards can be aligned vertically or horizontally in a staggered (*Brick-bond*) format (*each board is fixed through the intermediate boarding into each stud with 5 screws + washers every 300mm.*
 - STD boards are fixed to 3 vertical studs with 5 screws + washers per stud, 15 fixings per board.
 - LONG boards are fixed to 3 vertical studs with 9 screws + washers per stud, 27 fixings per board.
 - BIG boards are fixed to 5 vertical studs with 9 screws + washers per stud, 45 fixings per board.
- A 5mm expansion gap is left between the boards and the wall.
- A generous bead of MSP-360 is applied to all board edges as the boards are being installed so that it adheres the edge of the board to the next board and also to the cladding behind (and also to the ceiling and floor.)
- 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 except in potentially very wet areas where Marmox self-adhesive tape is used instead.

Specification: Tile backer board on pre-clad internal stud Walls with 300mm centres

Notes:

1. The purpose of including an additional board beneath the Marmox board is twofold: -
 - It provides allows for thinner sheets of Marmox board to be used which would otherwise be too flexible.
 - **18mm plywood** provides a secure substrate into which fittings and features such as cupboards and shelving can subsequently be put on these walls.
2. All connections to building features e.g. window frames, are sealed with Marmox MSP-360.
3. The substrate should be constructed in accordance with BS5385 inasmuch that prior to the installation of Multiboard. The frame should be constructed so that all board edges are supported and of material that will not be subject to movement or warping resulting from changes in moisture content.
4. A 5mm movement gap should be created between the Multiboard and any restraining surface of 5mm which should be filled with Marmox MSP-360.

Limitations:

- 1) Compounds containing organic solvents (*including organic based tile sealants*) must not come into contact with Marmox board.
- 2) Temperatures in excess of 75°C are not appropriate.
- 3) The substrate should be constructed in accordance with BS5385 inasmuch that prior to the installation of Multiboard, the backs and edges of boards subject to movement or warping from changes in moisture content should be treated against the ingress of atmospheric moisture.

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Dimensions allowed with 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

THIS SPECIFICATION IS FOR USE WHEN THE CENTRES ARE 600mm IN WHICH CASE ANY THICKNESS CAN BE USED. IW6: 4-60 CAN BE USED IF CENTRES ARE 300mm (MINIMUM THICKNESS THEN IS 4mm)

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

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

Fixing Method: The Marmox board is fixed onto an intermediate layer of plywood, OSB or plasterboard with screws and washers which need to be secured through this intermediate layer into the frame behind.

- Studs should be 600mm apart so that when the Marmox boards are subsequently fitted, all the edges of these boards will be supported.
- The intermediate boarding is fixed to the stud frame. It must be confirmed that there is no deflection in this structure before progressing.
- Marmox Boards can be aligned vertically or horizontally in a staggered (*Brick-bond*) format (*each board is fixed through the intermediate boarding into each stud with 5 screws + washers every 300mm.*
 - STD boards are fixed to both vertical studs with 5 screws + washers per stud, 10 fixings per board.
 - LONG boards are fixed to both vertical studs with 9 screws + washers per stud, 18 fixings per board.
 - BIG boards are fixed to 3 vertical studs with 9 screws + washers per stud, 27 fixings per board.
- A 5mm expansion gap is left between the boards and the wall.
- A generous bead of MSP-360 is applied to all board edges as the boards are being installed so that it adheres the edge of the board to the next board and also to the cladding behind (and also to the ceiling and floor.)
- 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 except in potentially very wet areas where Marmox self-adhesive tape is used instead.

Specification: Tile backer board on pre-clad internal stud Walls with 600mm centres

Notes:

1. The purpose of including an additional board beneath the Marmox board is twofold: -
 - It allows for thinner sheets of Marmox board to be used which would otherwise be too flexible.
 - If using 18mm plywood, it provides a secure substrate into which fittings and features such as cupboards and shelving can subsequently be put on these walls.
2. All connections to building features e.g. window frames, are sealed with Marmox MSP-360.
3. The substrate should be constructed in accordance with BS5385 inasmuch that prior to the installation of Multiboard. The frame should be constructed so that all board edges are supported and of material that will not be subject to movement or warping resulting from changes in moisture content.
4. A 5mm movement gap should be created between the Multiboard and any restraining surface of 5mm which should be filled with Marmox MSP-360.

Limitations:

- 1) Compounds containing organic solvents (*including organic based tile sealants*) must not come into contact with Marmox board.
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