

Specification for use as tile backer board on timber/steel stud wall frame with 300mm centres

Product Ref: Marmox Multiboard

Product Use: Intermediate substrate to ceramic and stone tiling on an internal stud wall with 300mm centres.

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 for this detail:	STD.	Width: 600mm, Length: 1250mm, Thickness: 10, 12.5, 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 10mm OR GREATER CAN BE USED.

USE IW5 (600ctr) IF CENTRES ARE 600mm (MINIMUM THICKNESS THEN IS 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 directly to the stud frame with screws and washers every 300mm. All board edges need supporting.

A) IF BOARDS ARE ALIGNED VERTICALLY

- The stud frame is constructed not to deflect after the installation of the Multiboard
- Additional vertical noggins are required to provide support to all short (horizontal) edges.
- Vertical studs may be a maximum of 300mm apart.
- Boards should be aligned in a staggered (Brick-bond) format
- Boards are aligned to the vertical studs so that both of their long edges are supported by the frame. They are fixed with corrosion resistant screws + Marmox washers every c.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 bead of MSP-360 is applied to all board edges so that it forms a waterproof seal between adjacent boards / walls / ceiling / stud frame.
- 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.

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B) IF BOARDS ARE ALIGNED HORIZONTALLY

- The stud frame is constructed not to deflect after the installation of the Multiboard
- Additional vertical noggins are required to provide support to all short (vertical) edges.
- Horizontal studs may be a maximum of 300mm apart.
- Boards should be aligned in a staggered (Brick-bond) format
- Boards are aligned to the horizontal studs so that both of their long edges are supported by the frame. They are fixed with corrosion resistant screws + Marmox washers every c.300mm
 - STD boards are fixed to 3 horizontal studs with 5 screws + washers per stud, 15 fixings per board.
 - LONG boards are fixed to 3 horizontal studs with 9 screws + washers per stud, 27 fixings per board.
 - BIG boards are fixed to 5 horizontal studs with 9 screws + washers per stud, 45 fixings per board.
- A bead of MSP-360 is applied to all board edges so that it forms a waterproof seal between adjacent boards / walls / ceiling / stud frame.
- 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.

Notes:

1. All connections to building features e.g. window frames, are sealed with Marmox MSP-360.
2. 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.
3. 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.

Specification for use as tile backer board on timber/steel stud wall frame with 600mm centres

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Dimensions allowed for this detail:	STD.	Width: 600mm, Length: 1250mm, Thickness: 20, 30, 40, 50, 60mm
	LONG.	Width: 600mm, Length: 2500mm, Thickness: 20, 30, 40, 50, 60mm
	BIG.	Width: 1200mm, Length: 2400mm, Thickness: 20mm

THIS SPECIFICATION IS FOR USE WHEN THE CENTRES ARE 600mm IN WHICH CASE ANY THICKNESS 20mm OR GREATER CAN BE USED. IF CENTRES ARE 300mm, 10 AND 12.5mm BOARDS CAN BE USED – SEE IW5: 10-12

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 directly to the stud frame with screws and washers every 600mm. All board edges need supporting.

A) IF BOARDS ARE ALIGNED VERTICALLY

- The stud frame is constructed not to deflect after the installation of the Multiboard
- Additional vertical noggins are required to provide support to all short (horizontal) edges.
- Vertical studs may be a maximum of 600mm apart.
- Boards should be aligned in a staggered (Brick-bond) format
- Boards are aligned to the vertical studs so that both of their long edges are supported by the frame. They are fixed with corrosion resistant screws + Marmox washers every c.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 bead of MSP-360 is applied to all board edges so that it forms a waterproof seal between adjacent boards / walls / ceiling / stud frame.
- 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 for use as tile backer board on timber/steel stud wall frame with 600mm centres

B) IF BOARDS ARE ALIGNED HORIZONTALLY

- The stud frame is constructed not to deflect after the installation of the Multiboard
- Additional vertical noggins are required to provide support to all short (vertical) edges.
- Horizontal studs may be a maximum of 600mm apart.
- Boards should be aligned in a staggered (Brick-bond) format
- Boards are aligned to the horizontal studs so that both of their long edges are supported by the frame. They are fixed with corrosion resistant screws + Marmox washers every c.300mm
 - STD boards are fixed to both horizontal studs with 5 screws + washers per stud, 10 fixings per board.
 - LONG boards are fixed to both horizontal studs with 9 screws + washers per stud, 18 fixings per board.
 - BIG boards are fixed to 3 horizontal studs with 9 screws + washers per stud, 27 fixings per board.
- A bead of MSP-360 is applied to all board edges so that it forms a waterproof seal between adjacent boards / walls / ceiling / stud frame.
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