

**Specification - a plastered, insulating board directly on a metal or timber wall frame**

**Product Ref:** Marmox Multiboard

**Product Use:** Internal insulation of timber or metal framed walls to be plastered.

**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.

**Dimensions:** Width = 600mm, Length = 1250mm or 2500mm, Thickness = 10, 12.5, 20, 30, 40, 50, 60mm

**Properties:** Low thermal conductivity (0.034W/mK) unaffected by moisture.  
Does not expand or contract as temperature and humidity alters.

**Authorities:** ISO9001

**CE + UKCA:** Declaration of Performance for an XPS Insulation Board  
EN13164 – T1 – CS(10\Y)400 – CC(2/1/10)115 – WL(T)3

**Fixing Method:** The Marmox board is screw fixed directly to the steel or wooden frame ensuring that all board edges are supported.

**USING SHORT BOARDS (600 X 1250mm)**

The frame must support all board edges with centres no greater than 300mm if using 10 or 12.5mm thick board or 600mm if using 20mm board or thicker.

Marmox Multiboards are flush against the frame with all four edges of the board supported. The boards are fixed with screws and washers every 300mm. The board edges are sealed to each other and to the frame beneath and/or adjoining wall/floor using Marmox MSP-360.

**USING LONG BOARDS (600 X 2500mm)**

The frame must support all board edges with centres no greater than 300mm if using 10 or 12.5mm thick board or 600mm if using 20mm board or thicker.

Marmox Multiboards are flush against the frame with horizontal noggins placed approximately every 1.2m. The boards are fixed using screws and washers every 300mm along each member. The board edges are sealed to each other and to the frame beneath and/or adjoining wall/floor using Marmox MSP-360.

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**Notes:**

- 1) Sealing the boards together with Marmox MSP-360 ensures a continuous waterproof barrier protecting against ingress of water.
- 2) Sealing the boards together with MSP-360 reduces the risk of localised moisture release from the property through the gaps between boards which can result in efflorescence and differential curing of the plaster.

**Plastering:**

Scrim tape (*Marmox reinforcing tape*) is applied over all joints

Dampen the surface of the Marmox board.

Apply two coats of plaster – the first onto the Marmox board surface approximately 2mm thick and a further 1mm approximately one hour later.

Any exposed (foam) edges should be covered with scrim tape + MSP-360 before plastering.

**To achieve a resistance to impact commensurate with ‘Medium Duty performance’ of plasterboard (as defined by BS5234)**

- An additional layer of fibreglass scrim must be added between the two applications of plaster.
- This additional scrim layer is not necessary when only ‘Light Duty performance’ is required.

**Limitations:**

- 1) Compounds containing organic solvents must not come into contact with Marmox board.
- 2) Temperatures in excess of 75°C are not appropriate.