IWI 3

Specification - as a plastered, insulating board on timber-clad frame wall or SIP

Product Ref: **Marmox Multiboard**

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

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: Width = 600mm, Length = 1250mm or 2500mm, Thickness = 4, 6, 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 fixed to a layer of timber sheeting fixed to a frame or to a SIPS panel with tile adhesive.**

- Boards can be aligned vertically or horizontally ideally in a staggered (*Brick-bond*) format.
- Marmox Multiboard is fixed onto stable plywood (min thickness 12mm or SIPS panel) with a continuous bed of cement-based tile adhesive (c.3-4mm thick).
- All Marmox board edges are sealed to each other using a bead of Marmox MSP-360.
- A 5mm gap between the board and the wall/roof junctions is left and filled with MSP-360 which is also be used to seal the fixing holes.

Notes: 1) Sealing the boards together with Marmox MSP-360 ensures a continuous waterproof barrier protecting against ingress of water. Gaps in the Marmox board layer could allow moisture to get into the plywood behind causing damage.
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.
3) This method allows items to be subsequently screw fixed to the wall easily

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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^{O}C are not appropriate.

marmox multiboard
Waterproofing • Insulating • Drylining

March 2023