

Specification - as a plastered, insulating board on a masonry/concrete wall

Product Ref: Marmox Multiboard

Product Use: Internal insulation of walls to be plaster coated.

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 the masonry wall with tile adhesive only.** The wall should not be coated or covered with any surface covering, for example – paint, plaster.

Ensure the wall is flat enough for full bed adhesion, i.e. <3mm over a 2m span. If it is uneven, the dotting and dabbing plus mechanical reinforcement method should be used instead.

- The masonry should be primed in accordance with the adhesive manufacturer's advice.
- Boards can be aligned vertically or horizontally ideally in a staggered (*Brick-bond*) format.
- Marmox Multiboard is fixed onto a continuous bed (*3-5mm thick*) of cement-based tile adhesive.
- The boards are sealed to each other by running a bead of MSP-360 along each board edge during installation.
- A 5mm gap is left around the perimeter which is filled with Marmox MSP-360

Note: The wall should be flat enough to allow the boards to be applied without creating any voids behind it.
If the wall is too uneven, battens should be considered.
Marmox MSP-360 is not like silicone – it can be plastered over without affecting the bond.
No priming of the Marmox board is necessary, the surface is already suitable to receive plaster.

Specification - as a plastered, insulating board on a masonry/concrete wall

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.