marmox fireboard
thermal & accoustic insulation

Spec: ext wall 1

Specification – as a fireproof, renderable EWI board fixed to a masonry wall

Product Ref: **Marmox Fireboard**

Product Use: Fireproof renderable EWI board on an outside brick, concrete or aircrete wall

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: A dense core of mineral wool covered on both sides with fibreglass mesh encased in a c.1.0mm layer of polymer modified concrete permanently bonded to the mineral wool core.

Dimensions: Width = 600mm, Length = 1200mm, Thickness = 20, 50, 100mm (*boards can be layered to increase thickness*)

Properties: Low thermal conductivity (0.037W/mK) and acoustic insulation
Certified (BRE) as completely non-combustible (Class A1)
Certified to provide 60 minutes fire resistance to a wall
Incorporates a mesh in its surface to help compensate for movement in the structure.

UKCA mark: Declaration of Performance for a Mineral Wool Insulation Board to EN13162: 2012

Fixing Method: The board is fixed to a masonry, brick or concrete wall with basecoat *(e.g. Mapetherm AR1 GG)* **then subsequently reinforced with mechanical fixings.**

- *The masonry may require priming depending on the adhesive – check with manufacturer.*
- For a full wall, fit the Starter Track to the base of the wall at 300mm centres.
- Starting on the Starter Track, Fireboards are aligned vertically or horizontally ideally in a staggered (*Brick-bond*) format.
- The boards are fixed to the wall with adhesive applied around the board edges and three large dabs in the middle of the board to ensure a flat surface. (*For perfectly flat walls, a 10mm notched trowel cab be used to apply a continuous layer of adhesive*)
- Boards are lightly butted to each other except around openings where a 5mm gap is left – this should be filled with a sealing strip or foam filler.
- At least 24 hours after fitting the Marmox Fireboards they are mechanically fixed into the masonry using **SIX DOWEL FIXINGS** – one in each corner, two in the middle.

Rendering: The board surface is cement based with low porosity so does not need priming.
Any exposed (*mineral wool*) edges should be covered with beading prior to rendering.

For Traditional two coat render systems: Apply the base coat followed by of a layer reinforcement mesh (*typically 150g/m*^{2}) which is worked into the wet base coat.
At least 24 hours later, apply the silicone render

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