

Specification – as a fireproof, renderable EWI board fixed onto SIPs and timber clad wooden or metal wall frames

Product Ref: Marmox Fireboard

Product Use: Fireproof renderable EWI board on the outer face of a SIP or on timber sheeting already fixed to a wooden or metal frame wall.

Manufacturer: Marmox Ltd

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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)
Incorporates a mesh in its surface to help compensate for movement in the structure.
Certified to provide 60 minutes fire resistance to a wall

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

Fixing Method: The board is screw fixed onto battens or “Top Hats” which have been nailed to either the outer face of a SIP or to timber sheeting already fixed to a steel/wooden wall frame.

- A breather membrane is placed over the wooden sheeting.
- The membrane is held in place by wooden battens or steel “Top Hats” which are nailed to the sheet timber vertically at 600mm centres if using 50mm or 100mm thick Marmox Fireboard OR at 300mm centres if using 20mm thick Marmox Fireboard.
- A Starter Track is fitted at the base of the wall
- Marmox Fireboard is fixed to the battens at 600mm (or 300mm) centres, ensuring that all vertical edges are supported using screws and Marmox washers. The battens should provide a drained ventilated cavity behind the Marmox board.
- 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.

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/m²*) which is worked into the wet base coat.

At least 24 hours later, apply the silicone render.