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

Product Ref: **Marmox Fireboard**

Application:	Method to apply renderable EWI board on the outer face of a SIP or a wooden or metal frame wall.

Manufacturer: Marmox Ltd
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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.

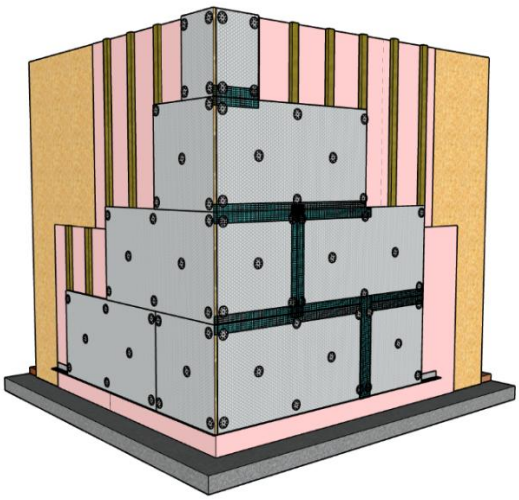
Dimensions: Width = 600mm, Length = 1200mm, Thickness = 20, 50, 100mm
Minimum thickness 20mm for this application

Properties: Low thermal conductivity (0.037W/mK), vapour permeable *(μ=3.85)* and acoustic insulation Certified (BRE) as completely non-combustible (Class A1)
20mm Fireboard and thicker with a render coating achieves 60minutes fire resistance.

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

Fixing Method:	**The board is screw fixed onto wooden battens / steel struts 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 or outside face of the SIP.
- The membrane is held in place by wooden battens or steel "Top Hats" which are nailed to the sheet timber vertically at 300mm centres.
- A Starter Track is fitted to the battens at the base of the wall
- Marmox Fireboard is fixed to the battens at 300mm centres, ensuring that all vertical edges are supported using screws and Marmox washers. (*self-drilling screws for steel are approved accessories*)
- 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 foam filler.



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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.

Gaps between boards should be covered with Marmox scrim tape.

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.