Specification – Marmox Fireboard as a plastered, insulating board fixed to the internal surface of a wood, SIP or metal frame

Product Ref: **Marmox Fireboard**

Application:	Lightweight plasterable IWI substrate applied directly onto the inside of a timber or metal frame as an alternative to plasterboard offering thermal, acoustic and breathable fireproof insulation.

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
Minimum thickness 20mm for this application

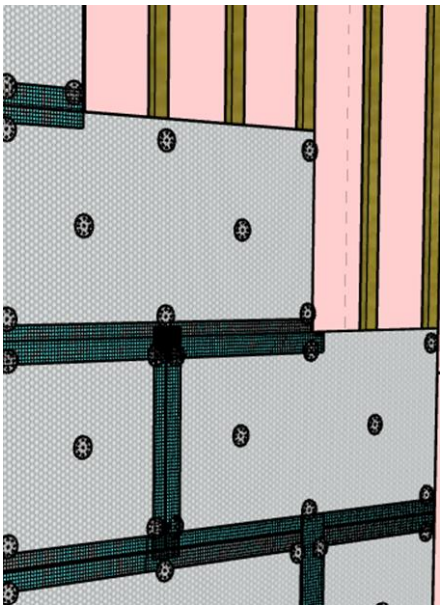
Properties: Low thermal conductivity (0.037W/mK), vapour permeable *(μ=3.85)* and acoustic insulation Certified (BRE) as completely non-combustible (Class A1)

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

Fixing Method:	**The Marmox Fireboard** *(min thickness 20mm)* **is screw fixed at 300mm centres directly to the steel or wooden frame ensuring that all board edges are supported.**

Boards can be aligned vertically or horizontally ideally in a staggered (Brick-bond) format.

- The frame must be aligned to support all board long edges.
- The boards are screw fixed directly to the frame with three along each side, as shown below (***8 fixings per board***). Fixings should be approximately 2-3cmfrom the board edge.
- The board edges are sealed to each other and to the frame beneath and/or adjoining wall/floor using a sealant / intumescent sealant. *One 300ml tube will typically be sufficient for approximately three to four panels*



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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 mineral wool edges should be covered with scrim tape + MSP-360 before plastering.

Notes:

1) 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.

2) When used on walls, a single skim coating of plaster on Marmox Fireboard is not recommended.