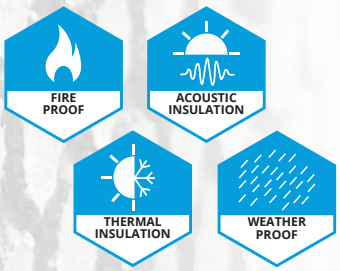
A1 RATED FIRE PROTECTION

marmox fireboard

acoustic & thermal insulation

Key Benefits

- Certified as A1 non-combustible
- Acoustic insulation
- Thermal insulation
- Lightweight
- Render or plaster
- External or internal



NEW Marmox Fireboard provides A1 fire resistance and both acoustic & thermal insulation in a lightweight board.

These External Wall Insulation (EWI) boards are designed for use with masonry, timber and steel frame constructions, offering fireproofing and insulation to walls and ceilings, both internally and externally.

Not only fire protection, Marmox Fireboard is also a weather proof barrier which will not degrade, however wet it gets! Also, being made from mineral wool, the boards provide very good sound decoupling and sound absorption properties.

Coated on the sides of the Marmox Fireboards is the unique Marmox honeycomb surface, which has been tried and tested for many years on our Marmox Multiboards. This is an ideal surface for applying a finish coat of render or plaster.

Applications

- Use to fireproof any metal, masonry or wooden structures
- Use as a fireproof alternative to plaster board on internal walls and ceilings where fire protection & sound proofing is required
- Ideal for fire surrounds
- Provides thermal and acoustic insulation
- To reduce thermal bridging on up-stands, used as a non-combustible inverted roof up-stand insulation board

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Fire Classification

Certified A1 non-combustible

Marmox Fireboard meets the stringent requirements, as defined in the Euroclass system (BS EN 1350-1).

Acoustic Properties

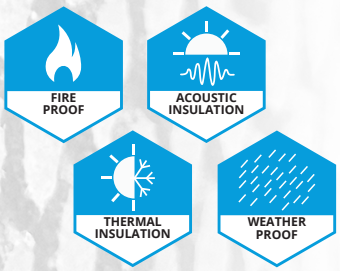
Stone wool-based products are one of the most popular sound absorption materials.

Sound-waves need to pass through a substance, however, if an air gap is placed in the path of the sound-waves it will not have a medium to pass through. Marmox Fireboards, being a mass of fibres and air provides that interruption to the solid materials in a wall or ceiling.

Water Resistance

Marmox Fireboards are manufactured with Marmox Stone Wool. This wool is made from a molten rock and so it is impossible for the fibres to absorb moisture.

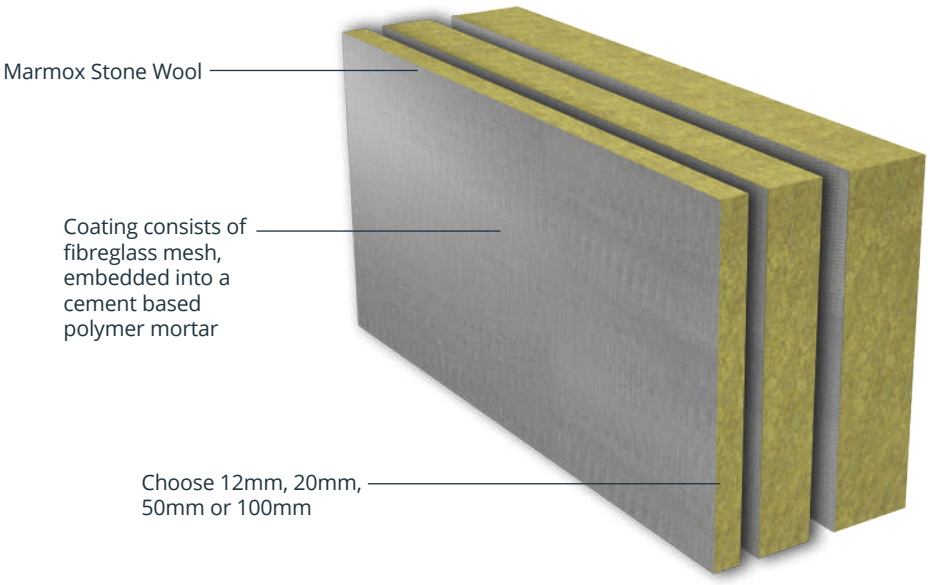
However wet Marmox Fireboards get, they will not degrade!



Board Composition

Marmox Fireboard is made using Marmox Stone Wool which which offers both fire protection, sound absorption and thermal insulation.

Fireboard is coated with the Marmox surface finish of fibreglass mesh, which is then embedded in a cement polymer mortar.



Dimensions	
Width / Length (mm)	600 x 1200
Thickness (mm)	12mm, 20mm, 50mm, 100mm

Technical Data

Charactoristic	Performance Assessed	Performance Level
Reaction to Fire *(BS EN 13501-1: 2018)*	BS EN 1716 BS EN 1182	Class A1
Resistance to Fire *(BS EN 13501-2: 2023)*	BS EN 13501-2	60 Minutes E 60, EI 60 and EW 60 *(20, 50 &100mm Fireboards only)*
Airborne Sound Insulation	UKAS Testing *(pdf test report available upon request)* Up to 26dB	
Breathability *(BS EN 12086)*	Water Vapour Diffusion Factor, μ = 3.85	
Thermal Conductivity *(λ value)*	0.037W/mK	
R Values *(m^2K/W)*	Varies with board thickness: 12mm = 0.34 20mm = 0.54 50mm = 1.35 100mm = 2.70	
Compressive Strength *(to 10% deformation)*	45kN/m^2 / 45kPa *(4.5 tonnes/m^2)*	
Expansion Coefficient	8 x 10-6K-1 *(fairly similar to concrete)*	
Density of Stone Wool	150kg/m^3	
Declaration of Conformity *(DoC)*	EN 13162	