

marmox
fireboard
acoustic & thermal insulation

Fire Protection

Sound Insulation

Insulated Boards for Render & Plaster

**Thermal
Insulation**

**Water
Proofing**

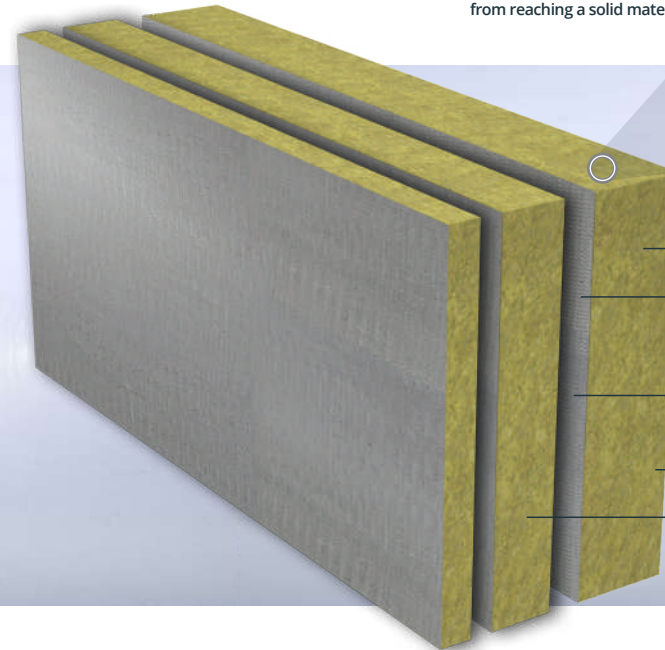
marmox
multiboard
Waterproofing • Insulating • Drylining

Fire Protection
A1 Certified

Sound Insulation
Stone Wool

Marmox Stone Wool

Stone wool is resistant to combustion and its mass of fibres and air interrupts sound waves from reaching a solid material!



Marmox Stone Wool

Fibreglass mesh, embedded into Marmox cement based polymer mortar on each side

Marmox honeycomb surface for strong adhesion

Sheet sizes **600 x 1200**

Choose **20mm, 50mm** or **100mm**

Key Benefits

- Fire protection
- Acoustic insulation
- Thermal insulation
- Very lightweight
- Render or plaster
- External or internal
- Certified as A1 non-combustible

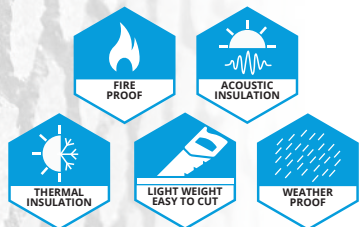
Marmox Fireboard offers A1 fire resistance and both acoustic & thermal insulation in a lightweight board.

Designed for use with masonry, timber and steel frame constructions, Marmox Fireboards offer fireproofing and insulation to walls and ceilings, both internally and externally.

Not only fire protection, Marmox Fireboard is 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.



Also for ceilings to prevent fires from spreading floor to floor and quieten down noisy neighbours!



Applications

- Use Marmox Fireboard to fireproof any metal, masonry or wooden structures.
- Use as a fireproof alternative to plasterboard on internal walls and ceilings where fire protection and sound proofing is required. Apply a finish coat of plaster.
- Use on fire surround walls.
- Use for window and door reveals, where thin fireproof boards are required.
- Use to reduce thermal bridging on up-stands, used as a non-combustible inverted roof up-stand insulation board.

For full technical data visit:
www.marmox.co.uk/Fireboard



Fire Classification

Certified A1 non-combustible.

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

Acoustic Properties

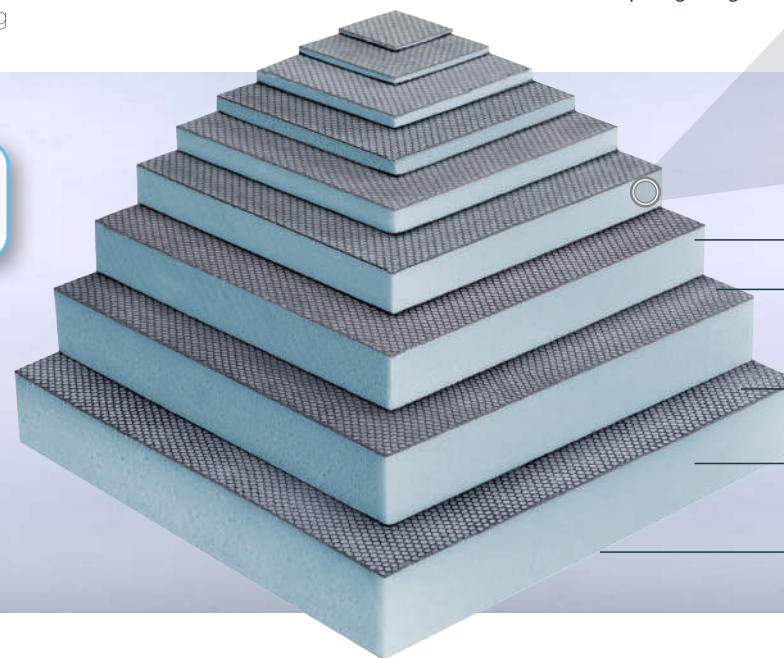
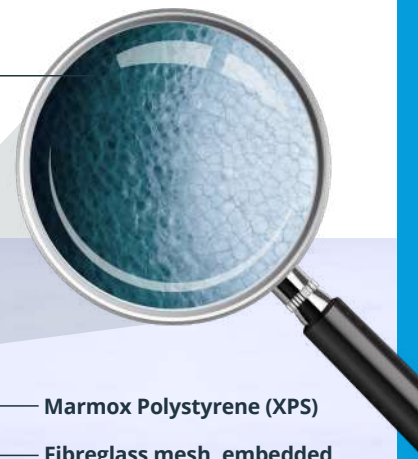
Stone wool-based products are one of the most popular sound absorption materials.

Sound-waves travel fastest through solid objects! However, if an air gap is placed in the path of a sound-wave it will not have the necessary medium to pass through.

Being a mass of fibres and air, Fireboards provide the needed interruption to sound-waves.

Marmox XPS Foam

Marmox extruded polystyrene is a closed cell structure which stops water from passing through.



Marmox Polystyrene (XPS)

Fibreglass mesh, embedded into Marmox cement based polymer mortar on each side

Marmox honeycomb surface for strong adhesion

Sheet sizes **600 x 1250**, **600 x 2400** or **1200 x 2400mm**

Choose from **4, 6, 10, 12.5, 20, 30, 40, 50 & 60mm**

**Thermal
Insulation**

**Water
Proofing**



Key Benefits

- Fully waterproof
- Thermal insulation
- Lightweight
- Render, plaster/tile
- External or internal
- Many applications
- BBA certified

Marmox Multiboard offers both waterproofing & thermal insulation in a high strength, lightweight board.

A multipurpose building board that can be used for many applications. This includes lining walls & floors, creating partition walls and furniture, tanking wetrooms or use them as an external render board.

Also in the Multiboard range is pipe boxing, flexible boards for curves and pre formed niches, shelves and benches.



Multipurpose building boards for walls, floors, ceilings, or creating furniture.

Applications

- Use Marmox Multiboard to waterproof any metal, masonry or wooden structures, internally or externally.
- Use as an alternative to plasterboard on internal walls and ceilings where waterproofing and insulation is required. Apply a finish coat of plaster or tiles.
- Use in wetrooms and bathrooms.
- Use as an insulator on floors. Ideal in conjunction with underfloor heating systems.
- Use as a structural board for partitional walls and building tilable/renderable furniture.

Waterproofing

Polystyrene does not have a capillary effect - meaning it will not absorb water. Water can only penetrate if forced to do so by an external pressure.

Thermal Properties

Polystyrene is well known for its high thermal resistance, which means it resists heat transfer.

Containing millions of tiny air bubbles within its structure helps block heat because air is a poor conductor of heat. So, the thicker the polystyrene the higher the thermal resistance.

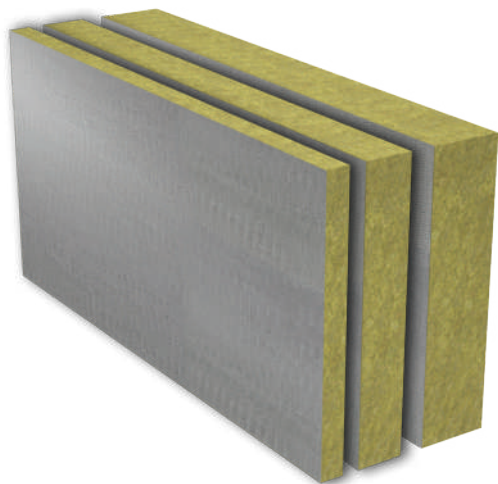
Multiboards are available in thicknesses from 4 - 60mm.

For full Multiboard brochure:
www.marmox.co.uk/multiboard




marmox fireboard

acoustic & thermal insulation

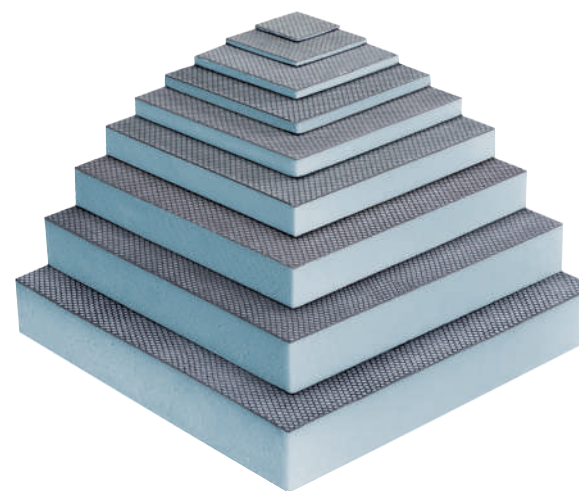


Dimensions	
Width / Length (mm)	600 x 1200
Thickness (mm)	20, 50, 100



Technical Data	
Thermal Conductivity (λ value)	0.037W/mK
Fire Rating	Class A1
Resistance to Fire Testing	Tests required passing in order to achieve Euroclass A1 certification: EN 1182 (Non-combustibility test - Efectis, 2018) EN 1716 (Bomb calorimeter test - BRE, 2022) EN 13823 (Single burn test - BRE, 2022) bre
Airborne Sound Insulation	UKAS Testing (pdf test report available upon request) $R_w(C,C_{tr})$ 20mm = 23 (-1;-3) dB 50mm = 23 (-2;-3) dB 100mm = 26 (-2;-4) dB
R Values (m^2K/W)	Varies with board thickness: 20mm = 0.54 50mm = 1.35 100mm = 2.70
Compressive Strength (to 10% deformation)	90kPa (9 tonnes/m ²)
Declaration of Conformity (DoC)	EN 13162 

marmox multiboard

Waterproofing • Insulating • Drylining



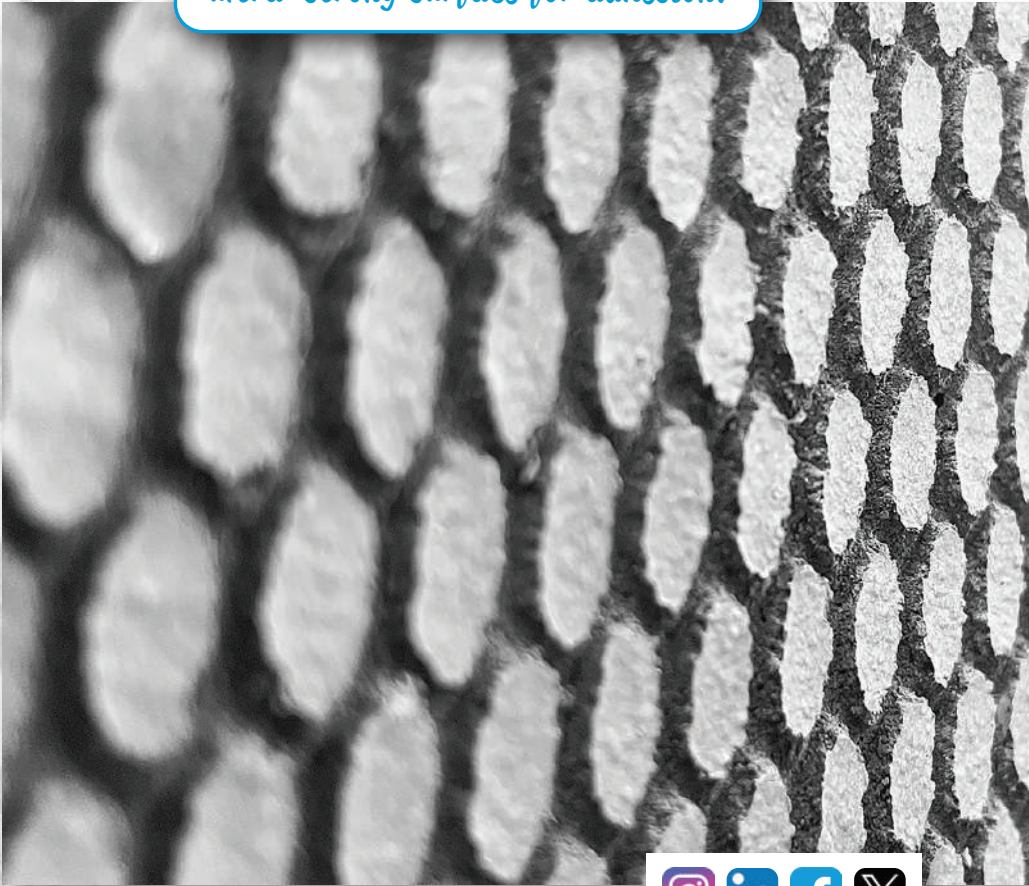
Dimensions	
Width / Length (mm)	600 x 1250, 600 x 2400, 1200 x 2400
Thickness (mm)	4, 6, 10, 12.5, 20, 30, 40, 50, 60

Technical Data	
Thermal Conductivity (λ value)	0.034 W/mK
Fire Rating	Class 0 / Class E
Water Absorption of XPS	<0.7%
R Values (m^2K/W)	Varies with board thickness: 4mm = 0.11 12.5mm = 0.35 40mm = 1.11 6mm = 0.17 20mm = 0.56 50mm = 1.39 10mm = 0.28 30mm = 0.83 60mm = 1.67
Compressive Strength (at 10% deformation)	400kPa (40 tonnes/m ²)
Maximum Tile Loading Weight	To the limit of the tile adhesive (typically 100kg/m ²)
Declaration of Conformity (DoC)	EN 13164  



**Always look out for the
honeycomb finish**

*It means... Genuine Marmox and an
ultra-strong surface for adhesion!*



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