marmox fireboard

acoustic & thermal insulation

marmox multiboard

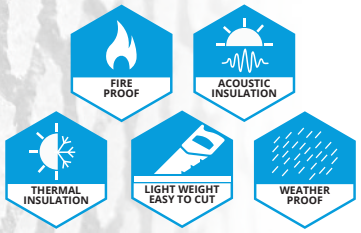
Waterproofing • Insulating • Drylining

marmox fireboard

acoustic & thermal insulation

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.

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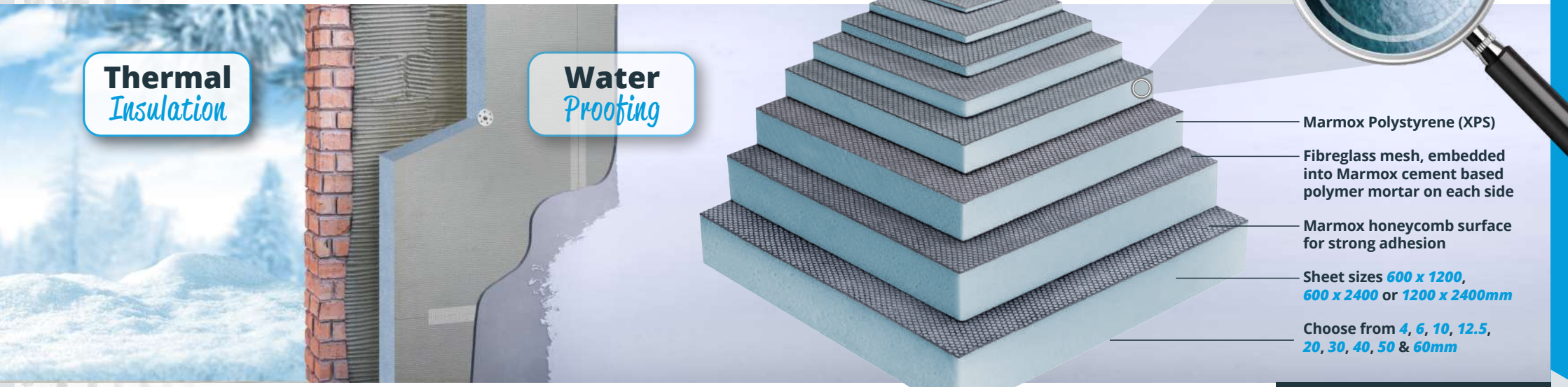
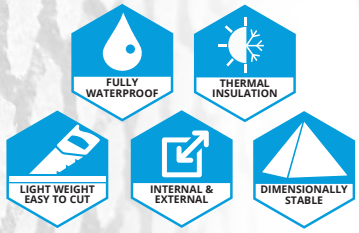


Key Benefits

- 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.

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

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 polystrene the higher the thermal resistance.

Multiboards are avilable in thicknesses from 4 - 60mm.

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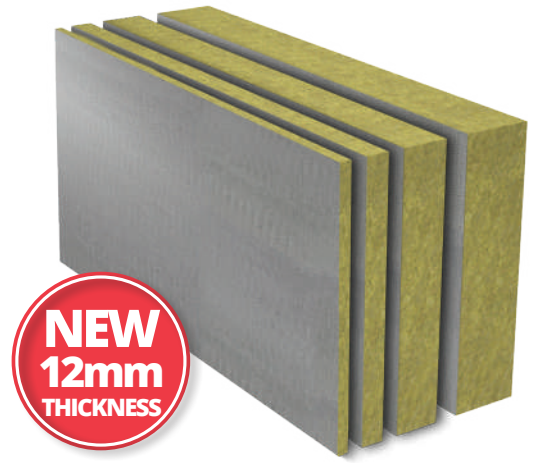

Dimensions	
Width / Length (mm)	600 x 1200
Thickness (mm)	12, 20, 50, 100

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	
Declaration of Conformity *(DoC)*	EN 13162	

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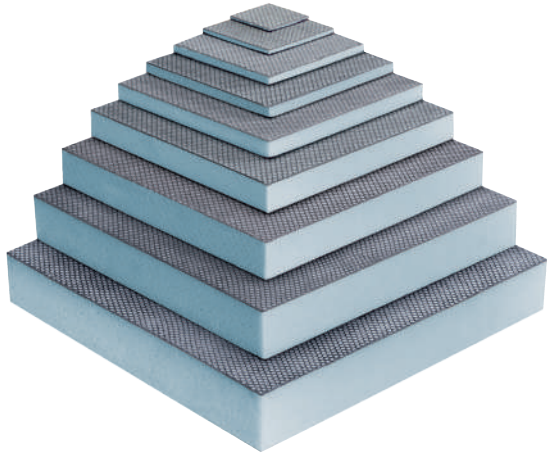
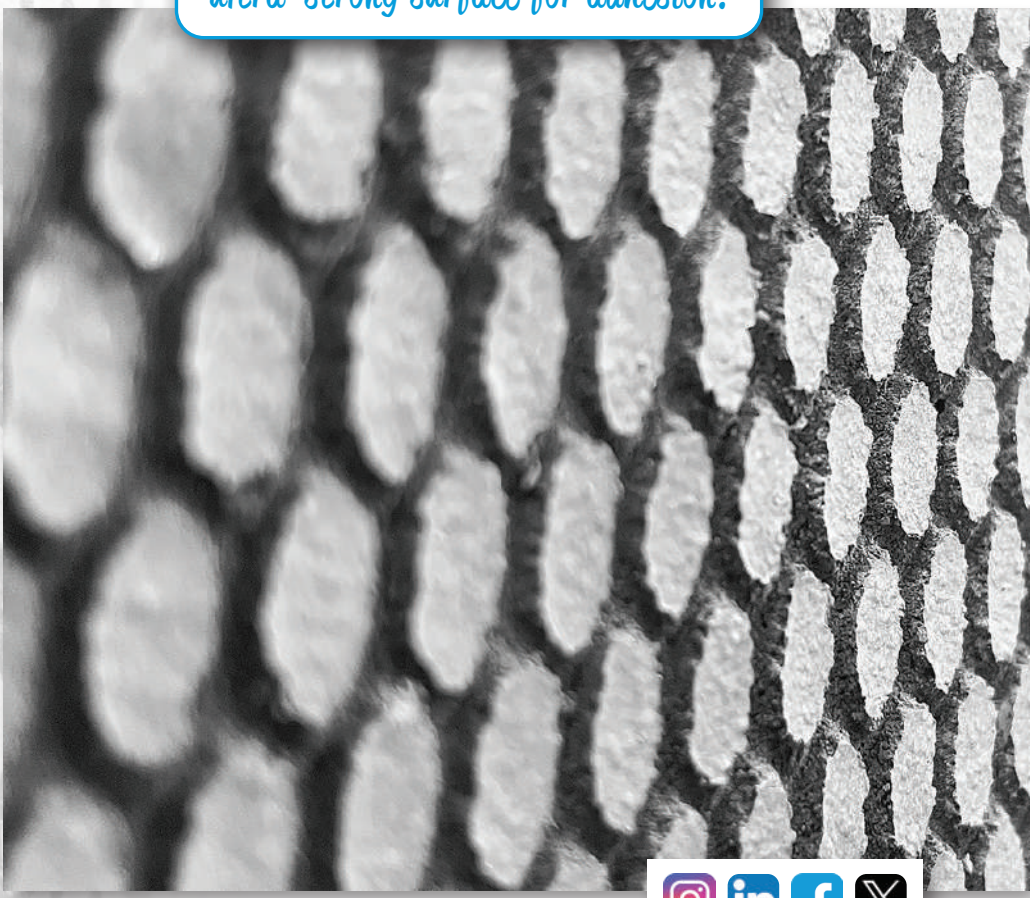


Dimensions	
Width / Length (mm)	600 x 1200, 600 x 2400, 1200 x 2400
Thickness (mm)	4, 6, 10, 12.5, 20, 30, 40, 50, 60

Technical Data		
Charactoristic	**Performance Assessed**	**Performance Level**
Reaction to Fire *(BS-EN 13501-1: 2018)*	BS EN 11925-2 BS EN 13823	Class E *(uncoated)* Class B *(with render)*
Water Absorption of XPS	<0.7%	
Thermal Conductivity *(λ value)*	0.034W/mK	
Maximum Tile Loading Weight	To the limit of the tile adhesive *(typically 100kg/m^2)*	
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 *(to 10% deformation)*	300kPa *(30 tonnes/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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