marmox multiboard

Waterproofing • Insulating • Drylining

# Tile it • Plaster it • Render it

Product & Installation Guide

Contents

marmox multiboard
Waterproofing • Insulating • Drylining

Tile it • Plaster it • Render it

Tiles - Ultimate substrate for tiles. Hold up to 100kg/m²

Plaster - No need to PVA, plaster directly onto them

Render - Will support many different types of render

Marmox Multiboard: The tried and trusted construction material which merges water proofing, insulation and structural strength into a reliable, BBA certified board. Lightweight and easy to cut with minimal dust, it accommodates tiling, plastering, and rendering, both indoors and outdoors.

Why use Marmox Multiboard?

FULLY WATERPROOF
Fully waterproof means that no water at all can be absorbed into the core and Multiboard won't warp or degrade in wet areas.

HIGH INSULATION
Marmox Multiboards (10mm and thicker) are CE-marked, rigid, insulation boards with thermal conductivities between 0.033 to 0.036W/mK.

TILE, PLASTER OR RENDER
As well as having multiple properties, Marmox Multiboard can be covered with multiple different finishes. BBA certified to accept tiles, plaster or render.

LIGHTWEIGHT & EASY TO CUT
Significantly lighter than most alternative boards, such as cement-based or plasterboard, allowing for easy installation. Easy and clean to cut.

What is it made from?

Extruded polystyrene foam (XPS) which is reinforced with a fibreglass mesh and then embedded in a cement polymer mortar, covering both sides.

- **Polymer Cement Mortar**
- **Fibreglass Mesh**
- **Marmox XPS Foam**
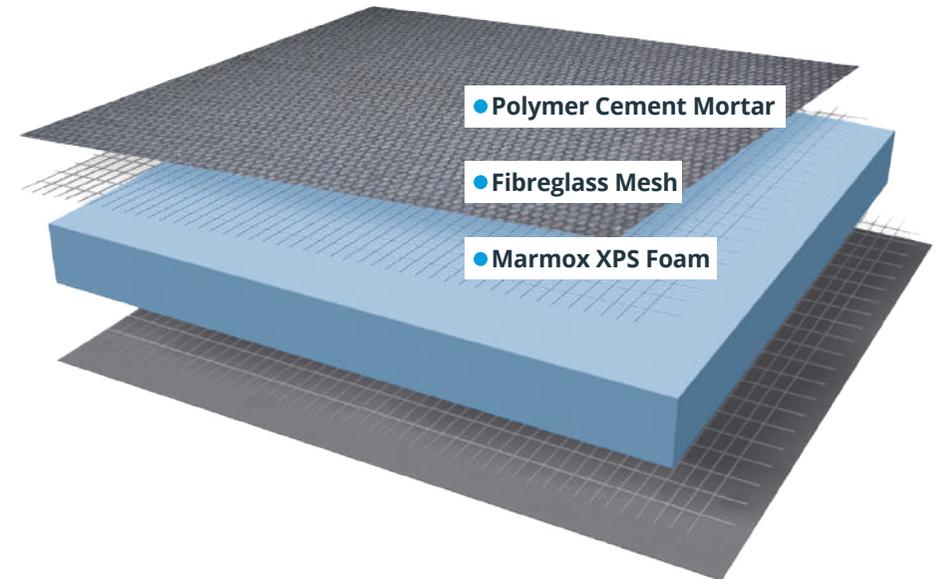
LOADING CAPACITY EXCEEDS 100kg/m²
Marmox Multiboards fixed to a masonry wall with a continuous bed of tile adhesive can achieve loading capacity exceeding 100kg/m².

NO TANKING MEMBRANE REQUIRED
The XPS core of Multiboard is entirely waterproof and requires no additional tanking membrane in wet areas. All joints should be sealed with Marmox S/A Waterproof Tape.

EFFECTIVE DECOUPLING
The combination of the rigid outer shell and the XPS core, which absorbs lateral movement, makes Multiboard an effective decoupling layer.

MARMOX LIFETIME GUARANTEE
Marmox product range comes with a Lifetime Guarantee for total peace of mind.

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Specification

Sizes & Weights					
Description	Size (mm)			Weight (kg)	R Value (m²k/w)
	Thickness	Width	Length		
Multiboard Short	4	600	1250	2.30	0.11
	6			2.40	0.17
	10			2.70	0.28
	12.5			2.80	0.35
	20			3.10	0.56
	30			3.40	0.83
	40			4.00	1.11
	50			4.20	1.39
	60			4.50	1.67
Multiboard Long	10	600	2400	5.18	0.28
	12.5			5.37	0.35
	20			5.95	0.56
	30			6.52	0.83
	40			7.68	1.11
	50			8.06	1.39
	60			8.64	1.67
Multiboard Big	12.5	1200	2400	11.00	0.35
	20			12.00	0.56

Quality Assurance

NBS Plus

Technical Data		
Compressive Strength (at 10% deformation)	(EN 826)	400kPa (40 tonnes/m2)
Thermal Conductivity	(EN 13164)	0.034 Watts/mK
Water Absorption of XPS	(EN 12087)	<0.7%
Coefficient of Thermal Expansion	(ASTM D696)	8×10^{-6} k^{-1}
Flammability	(EN 476-6,7) (EN 13501)	Class 0 Class E
ODP		zero
GWP		0.29
Maximum Tile Loading Weight	CMB 02/16	To the limit of the tile adhesive (typically 100kg/m²)
Declaration of Performance		XPS-EN13164-T1-CS(10\Y)400-CC(2/1/10)115-WL(T)3

BBA

UKCA CE

Conversion to Square Metres (sqm)						
	Short Multiboards				Long Multiboards	
	Carton		Pallet		Pallet	
Thickness	Quantity	Sqm	Quantity	Sqm	Quantity	Sqm
4	10	7.5	300	225	-	-
6	8	6	240	180	-	-
10	6	4.5	150	112.5	150	216
12.5	6	4.5	120	90	120	173
20	5	3.75	80	60	80	115
30	4	3	60	45	60	86
40	3	2.25	45	33.75	45	65
50	2	1.5	36	27	36	52
60	2	1.5	30	22.5	30	43

Note: Big Boards are available in pallets of 40.

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Timber Frame
Screws & washers

Solid Wall
Screws & washers
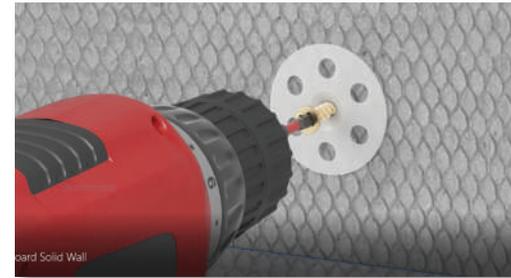
Key Benefits

- Fully waterproof
- High insulation
- Holds up to 100kg/m²
- Tile or plaster

FULLY WATERPROOF

THERMAL INSULATION

LIGHT WEIGHT EASY TO CUT

Fitting Instructions

1. Measure the Multiboard and cut to size with a saw or knife.
2. 10 & 12.5mm Multiboards - Studwork set at 300mm centres. 3 rows of 5 fixings for short boards.
3. 20mm and thicker - Studwork set at 600mm centres. 5 fixings down each long side for short boards
4. Tape joints with Marmox Reinforcing tape.
5. In wet areas use Marmox S/A Waterproof Tape.

Marmox S/A Waterproof Tape

Marmox Reinforcing Tape

Fitting Instructions

1. Measure the Multiboard and cut to size with a saw/knife.
2. Offer the Multiboard up to the wall and use Marmox washers and screws. Screws should generally be at least 20mm longer than the thickness of the board. Be aware of any electrical wires or pipe work that may be in the wall.
3. Short boards – 3 rows of 3 fixings (1 inch from the edges) Long boards – 3 rows of 5 fixings (1 inch from the edges)
4. Tape all the joints with Marmox Reinforcing Tape.
5. In wet areas use Marmox S/A Waterproof Tape.
6. The Multiboards are now ready to be tiled.

Note

- *Marmox washers are available in metal or plastic, in bags of 100. Marmox metal washers are also available in tubs of 500.*

Marmox Washers

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Solid Walls
Full bed of tile adhesive

Key Benefits
- Fully waterproof
- High insulation
- Holds up to 100kg/m^2
- Tile or plaster

FULLY WATERPROOF

THERMAL INSULATION

LIGHT WEIGHT EASY TO CUT

Fitting Instructions
1. Make sure the wall has been dusted down and is free from any protrusions.
2. Any thickness can be used on walls.
3. Comb a powder based flexible adhesive over the whole surface of the Multiboard or the wall itself (6/8mm trowel)
4. Push firmly onto the wall. It's ideal to stagger the joints.
5. Be sure to tape all the joints with Marmox Reinforcing Tape.
6. In wet areas use Marmox S/A Waterproof Tape.
7. It's now ready to tile.

Marmox S/A Waterproof Tape

Marmox Reinforcing Tape

Solid Wall
Dot, dab & dowels
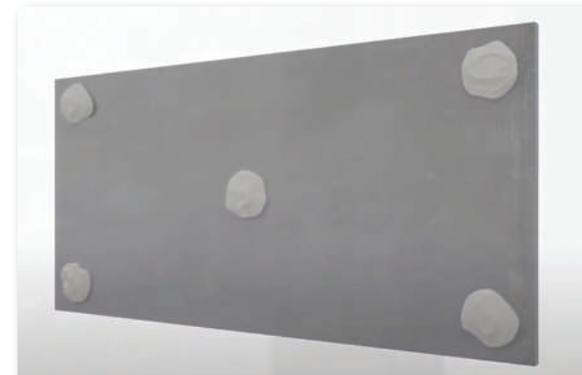
Fitting Instructions
1. Measure the Multiboard and cut to size with a saw or knife.
2. Drill fixing holes through the Multiboard into the solid wall.
   Short boards - 5 fixings (1 in each corner, 1 in the middle)
   Long boards - 8 fixings (6 around edges, 2 in the middle)
3. Put a dab of powder based flexible tile adhesive over the holes on the Multiboard and offer up to the wall.
4. Push firmly into place and then level with a spirit level.
5. Push in the white dowel and then hammer in the red pin.
6. Tape all the joints with Marmox Reinforcing Tape.
7. In wet areas use Marmox S/A Waterproof Tape.
8. It's now ready to tile.

Note
- *12.5mm Multiboard (or thicker) should be used on walls with this method.*

Marmox Fixing Dowels

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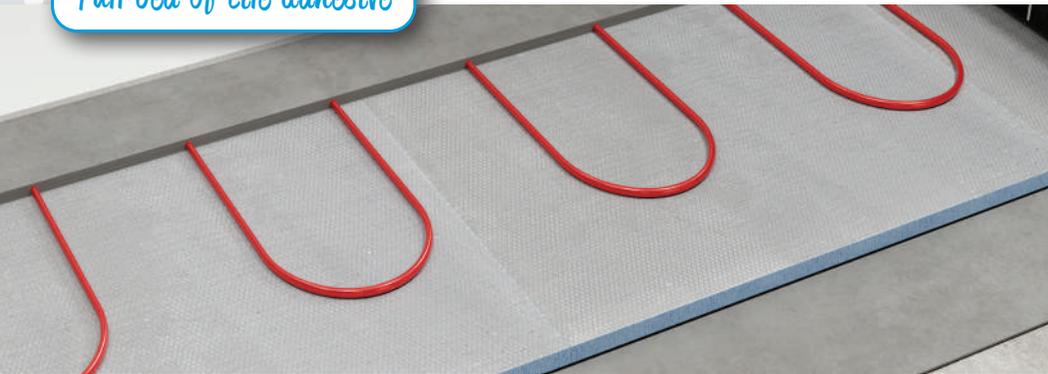
Key Benefits

- Fully waterproof
- High insulation
- Load bearing
- Works with underfloor heating

FULLY WATERPROOF

THERMAL INSULATION

LIGHT WEIGHT EASY TO CUT

Fitting Instructions

1. Ensure floor is dust free and level. Secure all floor boards.
2. Using a 6/8mm trowel (20mm trowel for uneven floors), comb a full bed of powder based flexible adhesive over the surface of the Multiboard or onto the floor.
3. Push firmly onto the floor, being sure to stagger the joints.
4. Tape joints with Marmox Reinforcing Tape.
5. Use Marmox S/A Waterproof tape to waterproof joints.
6. Tile directly onto the Multiboard. On floors, tiles should be at least 50mm x 50mm mosaics.
7. Underfloor heating - Lay wire directly onto the Multiboard and then tile.
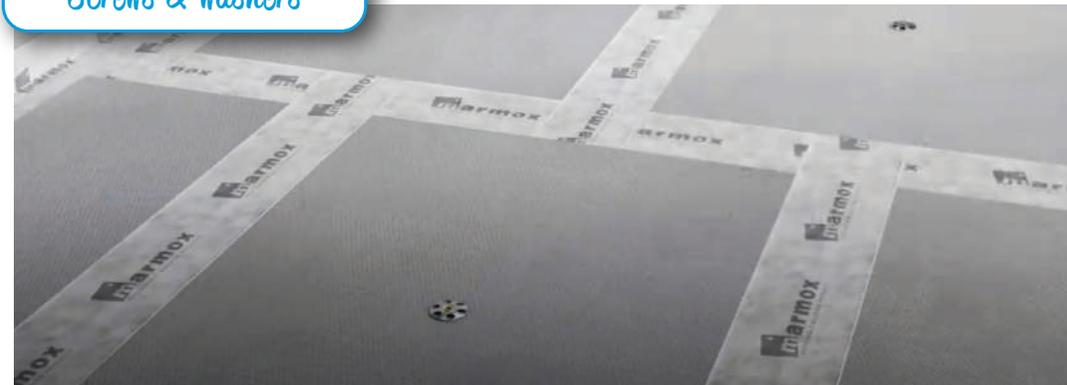
Fitting Instructions

1. Secure down any loose sheet flooring.
2. Use a screw and Marmox washer at every 300mm, making sure the screws embed into the floor by at least 20mm.
3. Short boards - 3 rows of 4 fixings (1 inch from the edges)
4. Tape all the joints with Marmox Reinforcing Tape.
5. In wet areas use Marmox S/A Waterproof Tape.
6. Tile directly onto the Multiboard. On floors, tiles should be at least 50mm x 50mm mosaics.
7. Underfloor heating - Lay wire directly onto the Multiboard and then tile.

Note

- *For traditional floors, use a minimum of a 10mm Marmox Multiboard*
- *Do not screw fix to traditional floor boards*

Marmox Washers

Sloping Floors
Wetrooms or balconies

Sloping Multiboards

Key Benefits

- 33mm slope to 10mm
- Slope to drain channel
- Easy to cut
- Can be stacked

FULLY WATERPROOF

THERMAL INSULATION

LIGHT WEIGHT EASY TO CUT

Slope the entire floor to a channel drain with Marmox Sloping Multiboard.

Ideal for communal shower areas, balconies, external walkways or flat roofs! Sloping Multiboards have a built in slope from 3mm down to 10mm. Each sheet is 1200x1200mm and they can be butted together or stacked to elongate the slope.

Sizes & Quantities				
Description	Size (mm)			Quantity per pack
	Thickness	Width	Length	
Sloping Multiboard	33→10	1200	1200	2

Fitting Instructions

1. For use on a level flat level surface.
2. Comb a full bed of powder based tile adhesive over the surface of the Sloping Multiboard or onto the floor. 6/8mm trowel (20mm trowel for uneven floors)
3. Push firmly onto the floor.
4. Sit the Sloping Multiboard side by side with the thin edge closest to the wall or butted up to where the drain will be.
5. To extend the area out further, lay down standard 20mm Multiboard and then sit another Sloping Multiboard on top.
6. Waterproof joints with Marmox S/A Waterproof Tape.

Note

- A continuous slope can be created when used in conjunction with 20mm Multiboards.
- Can be used for wetrooms, balconies or even flat roofs

Marmox S/A Waterproof Tape

Marmox Reinforcing Tape

Construction
Many possibilities

Thicker Multiboards

Key Benefits

- Lightweight
- Very Strong
- Easy to cut
- Many uses

FULLY WATERPROOF

THERMAL INSULATION

LIGHT WEIGHT EASY TO CUT

Marmox Multiboards are extremely versatile and can be used for many construction tasks.

High strength, lightweight, easy to cut and available in thickness's up to 60mm, Marmox Multiboards can offer a solution to a whole range of projects.

Vanity units, bath surround steps, shelving! Use long 50-60mm Multiboards for wall partitions, which can be fitted with Marmox brackets. Or use them to block up unwanted door or window openings.

Of course, the uses for Marmox Multiboards doesn't stop in the bathroom, you can also use them externally! Build garden furniture, partitions and even plant pots and surrounds.

Fitting Instructions

1. Cut Multiboards to size with a saw or knife.
2. There are a range of different fixings available to secure the Multiboards, including Marmox brackets, corkscrew fixings, fixing dowels or screws and metal or plastic washers.
3. Alternatively, use Marmox MSP360 Adhesive and Sealant.
4. If you are going to render or plaster your creation, then tape all the joints with Marmox Reinforcing Tape.
5. If not plastering or rendering then you can waterproof the joints with Marmox S/A Waterproof Tape.

Note

- *With a little creativity, when it comes to uses for Multiboards, the sky really is the limit.*

Corkscrew Fixing

Marmox MSP360

marmox multiboard
Waterproofing • Insulating • Drylining

Key Benefits

- Curve to shape
- Easy to install
- Ideal for wet areas
- Use for construction

FULLY WATERPROOF

THERMAL INSULATION

LIGHT WEIGHT EASY TO CUT

Create Stylish Curves for walls, baths or vanity units!

Marmox Curved Multiboards are extremely versatile and are the ideal solution to fully waterproof a bathroom or wetroom. They offer limitless design possibilities to create curved walls, curved partition walls and curved bathroom panels.

Sizes & Quantities				
Description	Size (mm)			Quantity per pack
	Thickness	Width	Length	
Curved Multiboard	20	600	1250	5

Curved Multiboards
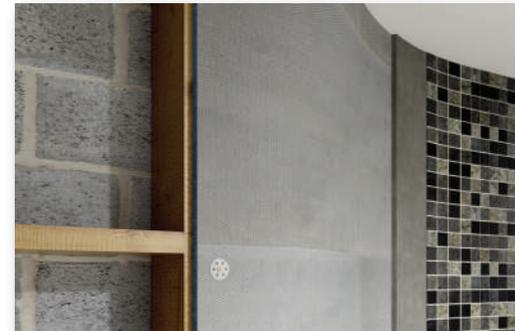
Fitting Instructions

1. Curved Multiboards come flat packed and can be easily bent to the required radius.
2. Ideally the best way to bend the curved Multiboard is to have the slits on the inside of the circular shape at all times and the smooth edge on the outside.
3. Fix to a wooden framework with screws and Marmox washers or fix with Marmox MSP360 Adhesive and Sealant.
4. Tape joints with Marmox Reinforcing Tape or Marmox S/A Waterproof Tape.
5. Tiling can now begin.

Note

- *You can also bend the curved Multiboard with the slits on the outside. If this is done then a flexible cement based tile adhesive needs to be used to fill out all of the slits on the surface and a sheet of Marmox fibreglass mesh needs to be layed over.*

Corkscrew Fixing

Marmox Brackets

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Pipe Boxing Multiboards
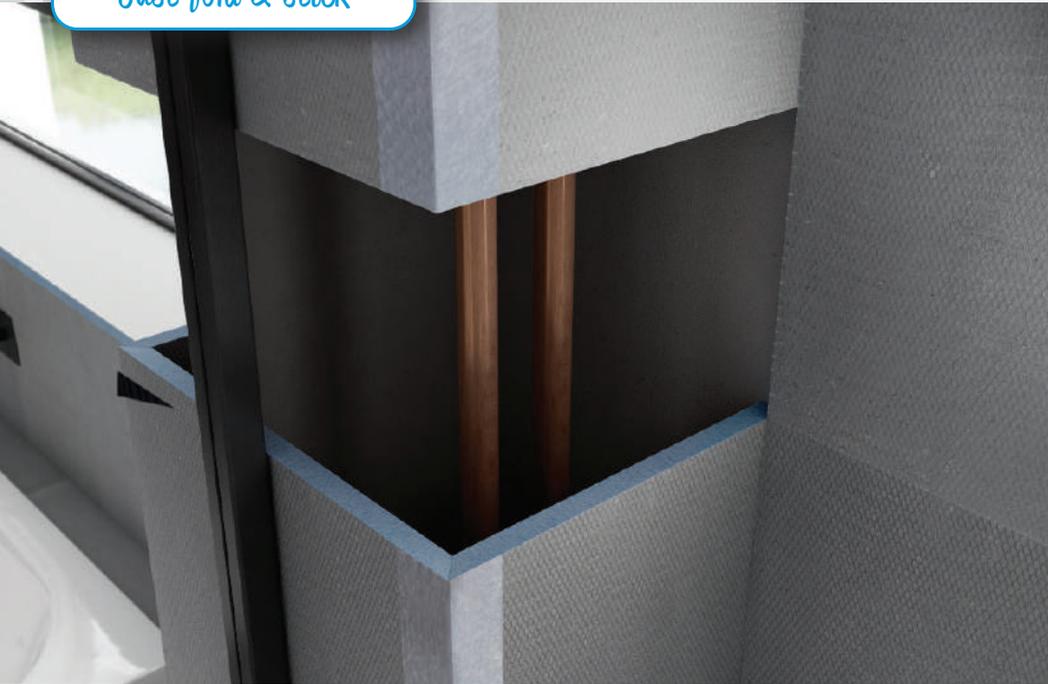
Key Benefits

- Fold and stick at 90º
- Easily cover pipework
- Ideal for wet areas
- No timber needed

FULLY WATERPROOF

THERMAL INSULATION

LIGHT WEIGHT EASY TO CUT

Tidy up unsightly Pipework!

Simplify the process of concealing pipes with the straightforward installation of Marmox pipe boxing. No more need for time consuming and costly timber frames, just cut to the length required, fold and stick in place.

Sizes & Quantities				
Description	Size (mm)			Quantity per pack
	Thickness	Width	Length	
Multiboard Pipe Boxing	20	150 x 150	1250	10
		200 x 200		
		300 x 300		5
		400 x 200		

Fitting Instructions

1. Measure pipe work to ensure the correct size pipe boxing.
2. Cut the pipe boxing to the required size.
3. Peel off the backing tape from the self-adhesive strip and fold the board to a 90º angle.
4. Use x4 Marmox wall brackets per 1250mm board.
5. Run a bead of Marmox MSP360 Adhesive & Sealant along the edges of the pipe boxing and offer it up to the wall.
6. Secure the wall brackets with screws.
7. Be sure to tape all the joints with Marmox Reinforcing Tape or Marmox Self Adhesive Waterproof tape.

Note

- *Multiboard pipe boxing can be stacked up to the necessary height, just put a bead of Marmox MSP360 where the Multiboard meets.*

Marmox Wall Brackets

Marmox MSP360

Inbuilt Shelves
Pre-formed ready to tile

Adjustable Shelf

400 x 800

NEW!
NICHE SIZE
WITH A SHELF

Multiboard Niche

Key Benefits
- Stylish & convenient
- Easy to install
- Ideal for wet areas
- Many sizes available

FULLY WATERPROOF

THERMAL INSULATION

LIGHT WEIGHT EASY TO CUT

Create easy recessed shelving.

Multiboard Niche are pre-formed and ready to tile. The 800 x 400mm has an adjustable shelf that can be fixed into the desired position.

Sizes & Weights				
Description	Size (mm)			Weight (kg)
	Thickness	Width	Length	
Multiboard Niche	12.5	400	200	1.5
			300	2.0
			400	2.5
			500	3.0
			800	5.0
Corkscrew	-	41	108	-

For Technical Data sheet:
www.marmox.co.uk/niche
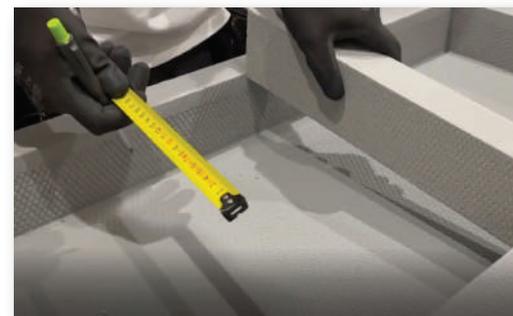
Fitting Instructions

Shelf version only
1. Slide the shelf into the desired position (If applicable).
2. Use a pencil and mark a straight line to indicate the final shelf position.
3. Screw Corkscrew fixing through the sides of the niche, into the shelf, ensuring to screw in well but do not over tighten.

All versions
4. Position the niche between the studwork.
5. Use a minimum of a 50mm screw and a large washer in all of the corners.
6. For further waterproofing use 'Marmox MSP360 Adhesive & Sealant' or 'Marmox S/A Waterproof Tape'.

Other sizes (mm)
(without shelf)

400 x 200

400 x 300

400 x 400

400 x 500

MSP360

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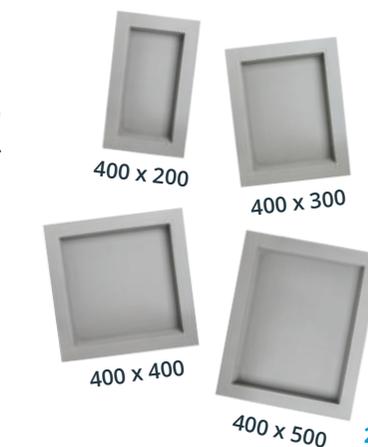
Bath Panel Kit

Key Benefits

- Ready to tile
- Waterproof
- Side & end panel
- Adjustable feet

FULLY WATERPROOF

THERMAL INSULATION

LIGHT WEIGHT EASY TO CUT

Finished coating your walls and floors? Why stop there?

Marmox Multiboard bath panel kits offer a simple installation for a stylish tiled bath surround. All you will need, in one handy kit!

Sizes & Quantities				
Description	Size (mm)			Quantity
	Thickness	Width	Length	
Side Panel	30	600	1800	1
End Panel	30	600	800	1
Feet	4	-	-	4
S/A Waterproof Tape	1	100	10(m)	1
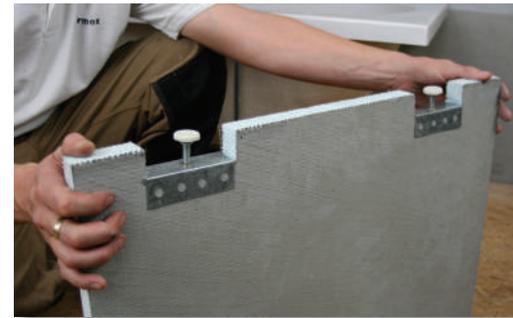
Fitting Instructions

1. Ensure your bath has a sufficiently wide recess under the lip of at least 30mm, to fit the panel under the edges.
2. Measure the end of the bath and cut the end panel to size. (Make sure to leave a 30mm gap on outer edge for the side panel to sit in front of).
3. Wedge panel under the end of the bath.
4. In the same way, cut to size and apply the side panel.
5. Tighten the adjustable feet.
6. Apply the Marmox S/A Waterproof Tape where the 2 panels meet each other and where they meet the wall.
7. Ready to tile. Tile directly onto the Multiboard.

Note

- *The panels come with pre-assembled adjustable feet, making it easy to fit to the bath height.*


Marmox S/A Waterproof Tape

Bath Panel Feet

marmox showerlay
Floor level shower base

Wetroom Tray
Pre-formed slope

Marmox Showerlay

Square Drain
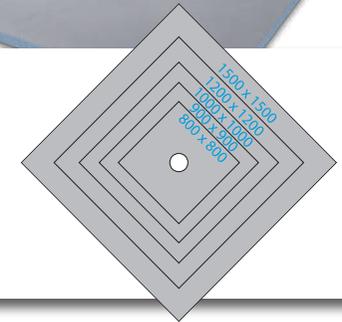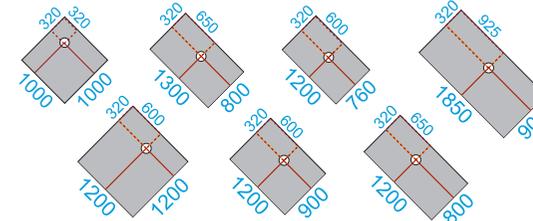
Facts & Figures

Size (mm)	Edge Height (mm)	Drain Position
760 x 1200	20 / 20	Centre / Offset
800 x 800	20	Centre
800 x 1300	20	Offset
800 x 1500	24	Offset
900 x 900	20 / 40	Centre / Linear
900 x 1200	20 / 20 / 40	Centre / Offset / Linear
900 x 1850	24 / 40	Offset / Linear
1000 x 1000	20 / 20	Centre / Offset
1200 x 1200	20 / 40	Centre / Linear
1200 x 1200	20	Offset
1500 x 1500	24	Centre

Key Benefits

- Pre-formed fall ready to receive tiles
- Lightweight
- Quick & easy to install
- Lifetime guarantee

FULLY WATERPROOF **THERMAL INSULATION**

LIGHT WEIGHT EASY TO CUT

Showerlays offer a pre-sloped floor to drain in order to create "level access" tiled shower areas.

Available in square or linear drain positions. Using Showerlays in conjunction with Multiboards completes your shower area.

Linear Drain

Fitting Instructions

- Installing Marmox Showerlay onto wooden floors visit: **www.marmox.co.uk/wood-floor**
- Installing Marmox Showerlay Linear onto wooden floors visit: **www.marmox.co.uk/linear-wood-floor**
- Installing Marmox Showerlay onto concrete floors visit: **www.marmox.co.uk/concrete-floor**
- Installing Marmox Showerlay linear onto concrete floors visit: **www.marmox.co.uk/linear-concrete-floor**

Twistable 360º Drain

marmox **multi**board
Waterproofing • Insulating • Drylining

Key Benefits

- Pre-formed
- Ready to tile
- Fully waterproof
- 3 different styles

FULLY WATERPROOF

THERMAL INSULATION

LIGHT WEIGHT EASY TO CUT

Seating for wet areas!

Marmox Multiboards Benches are ideal for use in any wet areas, including showers, steam rooms or swimming pools. The benches are pre-formed and ready to tile.

| Sizes & Quantities				
Description	Size (mm)			Seat slope
	Width	Height	Depth	
Regular		476	511	
Square	1000	500	500	1%
Chair		890	561	

Multiboard Benches

Square

Chair

Regular
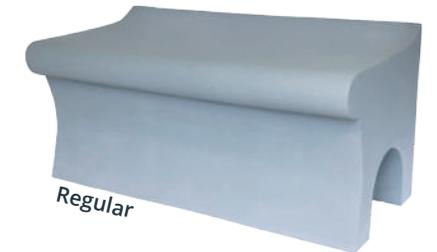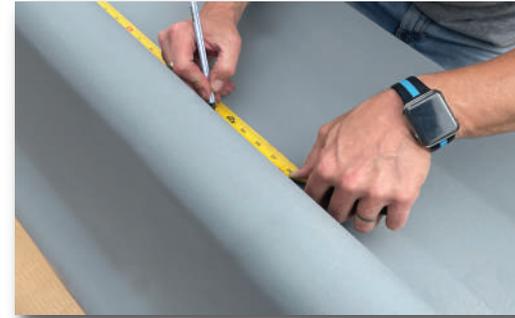
Fitting Instructions

1. Remove all packaging
2. Marmox benches can be cut width ways to fit into the desired area. Measure along the bench and mark with a pencil. Use a hand saw to cut all the way through the bench, making sure of a straight cut.
3. Secure sides and edges to surrounding wall(s) with Marmox MSP360 Adhesive & Sealant and Marmox S/A Waterproof Tape.
4. Tiling can now begin.

Note

- *If cutting - The cut end will need to be butted up against the wall. This is because once cut there will no longer be a solid surface to tile onto.*

Marmox S/A Waterproof Tape

Marmox MSP360

Accessories

Other Marmox Products

Marmox MSP360:
Premium Adhesive and Sealant. Ultra high performance, professional, heavy duty. Fully waterproof - it even cures under water!

Marmox Waterproof Fleece:
Fully waterproof fleece for tanking wet areas. For use with or without Multiboard

Corner Shelf:
Marmox Multiboard Tileable corner shelf. Comes in a kit with mounting brackets, screws and washers and a template for marking bracket wall positions.

Marmox S/A Waterproof Tape:
10 metre roll of the popular Marmox tanking tape for use with Marmox Multiboards in all wet areas.

Marmox Reinforcing Tape:
20 or 90 metre rolls. Use over joints before plastering.

Corkscrew fixings:
Use in construction projects to secure Multiboards together.

Marmox Washers: Available in buckets (500) or bags (100), in metal or plastic. **Note:** plastic washers only available by the bag.

Polar White **Slate Grey**

Marmox Decotray: Made from Marmoxite, a patented resin bound synthetic stone, moulded into a stone effect. Decotrays offer durability, waterproofing, and easy installation.

Available in Slate Grey or Polar White.
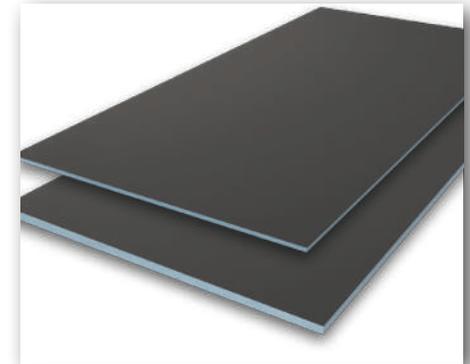
Marmox Soundboard: Sound reduction in buildings. Effectively minimizes noise transmission, creating quieter and more peaceful living and working environments. Easy to install, durable, and compatible with various flooring types.

Marmox Minlay: Easy drainage solutions when creating your own slope to drainage. These are available in both square drain and linear.

For our full range of products visit:
www.marmox.co.uk

Always look out for the honeycomb finish

It means... Genuine Marmox and an ultra-strong surface for adhesion!
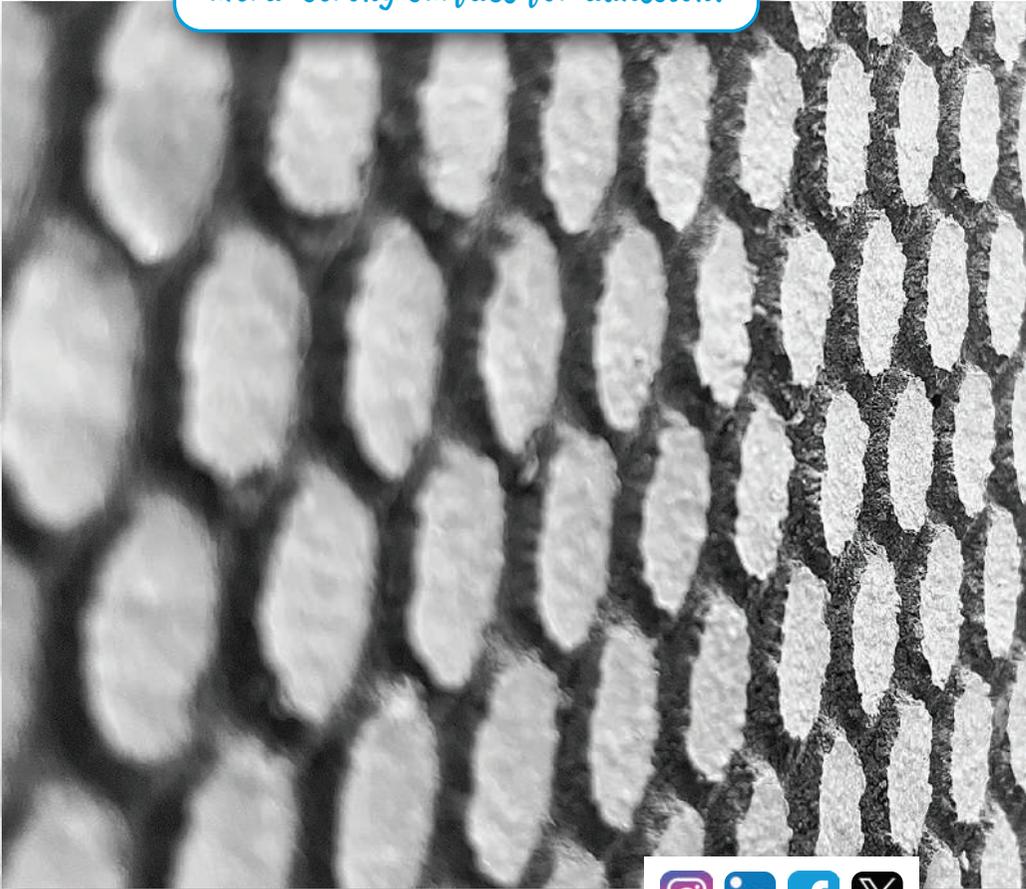
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marmox
Waterproofing & Insulation Solutions

V3