

Multiboard + Bathroom Innovations



# MULTIBOARD



Waterproof
Lightweight
Easy to Cut
Ready to Tile
Ready to Plaster

READY TO TILE

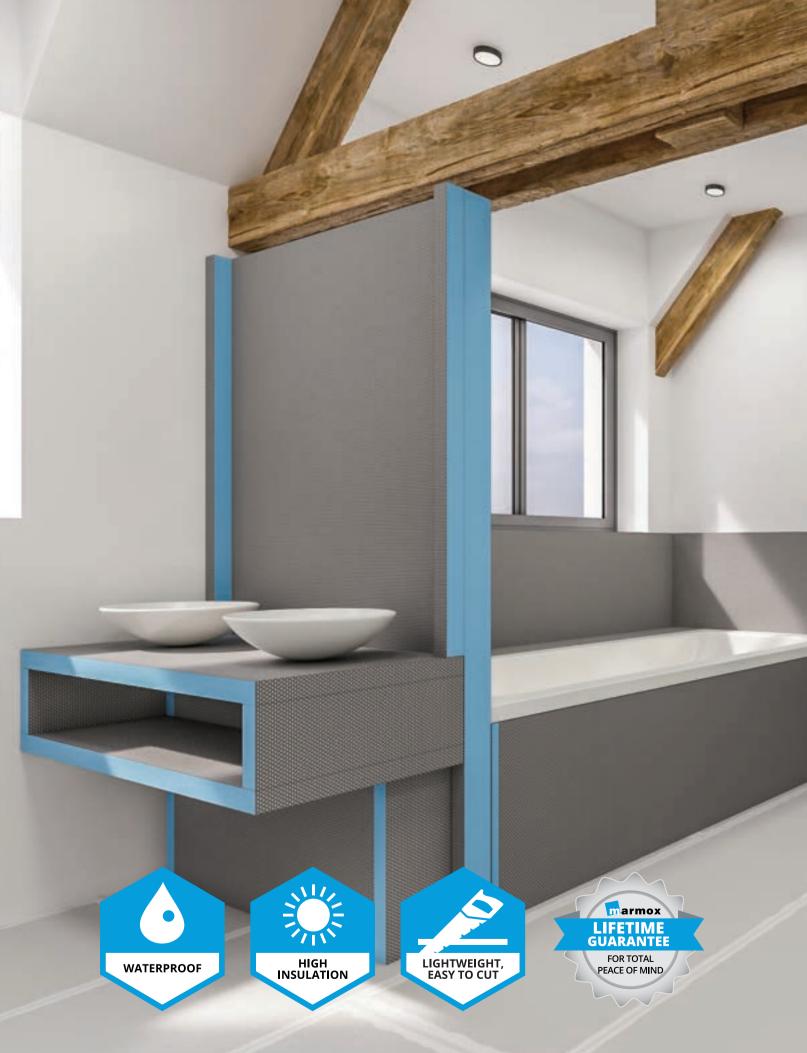
# Multiboard

Waterproofing and insulation of floors, walls and ceilings
Bathroom partition walls
Fabrication of tiles bathroom furniture
Roof insulation system
Decorative and architectural facade designs
Covering exterior steel frame structures
Use as an external tile backer or as a render board





marmox®









Marmox Multiboard is a lightweight, high-performance tile backer board, used for waterproofing, dry-lining and thermal insulation, offering the best long-term adhesion in its class. Marmox Multiboard consists of a core of extruded polystyrene bonded between layers of fibreglass reinforced polymer concrete.

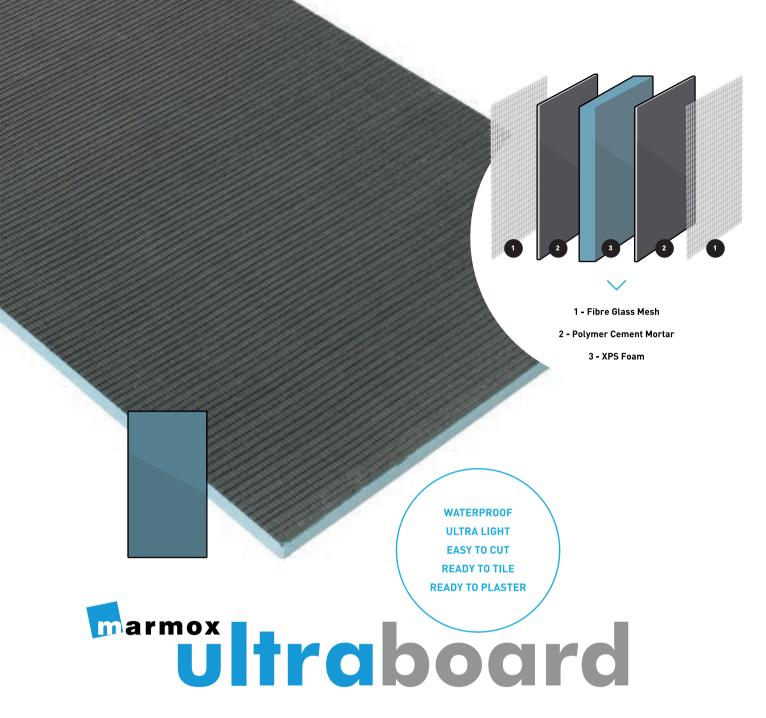
Thicknesses range from 4mm to 100 mm allowing Marmox Multiboard to be used to provide a platform for tiling, a waterproof barrier, thermal insulation on walls, floors and ceilings. Multiboard is easy to cut and shape providing freedom of design and quick installation.

REF	THICKNESS (MM)	WIDTH (MM)	LENGTH (MM)	U VALUE (W/m2K)	R VALUE (m2.K/ W)	QUANTITY PER PALLET				
4 MB 125			1250	9.9	0.06	165				
6 MB 125	6		1250	7	0.12	150				
10 MB 250	10		600	3.5	0.25	215				
125 MB 250	12.5	600		2.7	0.33	150				
20 MB 250		900 1200	900						0.56	
30 MB 250	30			2500	1	0.86	75			
40 MB 250				0.7	1.16	60				
50 MB 250	50			0.57	1.47	45				
80 MB 250	80			0.5	2.33	25				

Panels are available in 260cm length on special order





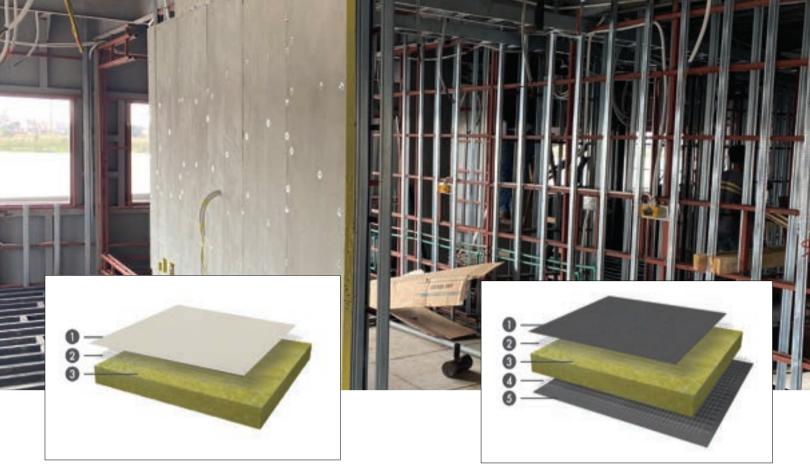


Marmox Ultra panel offers builders and tile contractors a strong, very lightweight, waterproof, and vapor-resistant tile base for wet areas. It is an XPS foam panel manufactured with a new waterproof coating structure of synthetic polymer mortar and an alkali resistant fiber mesh. This gives it a highly rigid structure and exceptional bonding strength.

REF	THICKNESS (MM)	WIDTH (MM)	LENGTH (MM)	U VA (W/n		VALUE 2.K/W)	QUANTITY PER PALLET		
4 EB 125	4		1250	9.	9	0.06	165		
6 EB 125	6		1230	7	' (	0.12	150		
10 EB 250				3.		0.25	215		
125 EB 250	12.5			2.	7 (	0.33	150		
20 EB 250		600 900 1200	900	900		1.		0.56	
30 EB 250	30					2500	1	(	0.86
40 EB 250				0.		1.16	60		
50 EB 250	50			2.0	57	1.47	45		
80 EB 250				0.		2.33	25		

Panels are available in 260cm length on special order





- 1 Polymeric Cement Mortar
- 2 Alkali-Resistant Glass Fibre Mesh
- 3 Rockwool Density 120 kg/m<sup>3</sup> (Higher densities upon request)

- 1 Polymeric Cement Mortar
- 2 Alkali-Resistant Glass Fibre Mesh
- 3 Mineral Wool Density 120 kg/m<sup>3</sup>
- 4 Alkali-Resistant Glass Fibre Mesh
- 5 Polymeric Cement Mortar



Marmox ThermoRock board is a high performance, reinforced insulation board made with a non combustible mineral wool core and finished with a waterproof cement polymer mortar reinforced with alkali-resistant fiberglass mesh.

Marmox Thermorock provides A1 fire resistance and both thermal and acoustic insulation.

Marmox ThermoRock board is a high performance, reinforced insulation board made with a non combustible mineral wool core and finished with a waterproof cement polymer mortar reinforced with alkali-resistant fiberglass mesh.

Coated on either one or two sides of Marmox Thermorock is the unique Marmox honeycomb surface. This is an ideal surface for applying a finish coat of render or plaster.

Applications of Marmox Thermorock:

- -Provides thermal and acoustic insulation
- -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 is required
- -To reduce thermal bridging on up-stands, used as a non-combustible inverted roof up-stand insulation board



# ThermoRock Board Dimensions & Weight

Product	Size mm	Thickness	Weight kg/m2	
		mm 	SS	DS
ThermoRock 12.5 DS	1220 or 2440 x 600	12.5	4.5	7.5
ThermoRock 20 DS/SS	1220 or 2440 x 600	20	5.4	8.4
ThermoRock 30 DS/SS	1220 or 2440 x 600	30	6.6	9.6
ThermoRock 50 DS/SS	1220 or 2440 x 600	50	9	12
ThermoRock 100 DS/SS	1220 or 2440 x 600	100	15	18

other dimensions upon request

## **Core of Mamrox ThermoRock Board**

Properties	Symbol	Unit	Tolerance	TS EN 13162	Standard
Density of mineral wool	d	kg/m	(+,-)% 10	20	TS EN 1602
Compressive Strength (%10 Deformation)		kPa		≥35	
Declared Thermal Conductivity (10 °C)	ort	W/mK		max. 0,035	TS EN 12667
Short Term Water Absorption	W	kg/m	1	1	TS EN 1609
Long Term Water Absorption	W	kg/m	3	3	TS EN 12087





## IMPACT SOUND & THERMAL FLOOR INSULATION

Marmox SoundBoard is a tile backer board which reduces the impact noise that passes through a floor into the room below. Like Multiboard it provides a complete waterproof layer, secure decoupling, thermal insulation and low compressibility but with the added benefit of effective impact sound reduction. One side of the board is coated with a sound attenuating layer of SBR Rubber that isolates the tiled surface from the floor so that there is nothing for the sound waves to travel through. The rubber compound is natural so there is no plasticiser migration ensuring the material neither shrinks, degrades or becomes brittle. SoundBoard will reduce the level of impact noise greater than the recommended minimum of 17dB.

# **Technical Data**

Test	8m m	12mm
Thermal conductivity	0.042 W/mk	0.04 W/mk
Thermal resistance	0.19 m2 K/W	0.30 m2 K/W
Compressive strength to EN826	300 kPa	300 kPa
DL <sub>w</sub> Weighted impact sound reduction to ISO 140-8	28 dB	28 dB
As above (with tiled surface)	20 dB	20 dB
Dimensions	1250mm x 600mm	1250mm x 600mm
Weight	4.5kg	4.9kg





# **OUR RANGE OF ACCESSORIES**

FOR THE INSTALLATION OF CONSTUCTION PANELS



#### **REINFORCEMENT TAPE**

25m x 10cm fiberglass reinforcement tape used to reinforce and joint the panels together. To be used in addition to a waterproof adhesive mortar.



#### **WATERPROOF TAPE**

Waterproof tape  $10 \text{ m} \times 12.5 \text{ cm}$ , used to seal the joints between the shower tray and the walls, or between the walls. This strip is equipped with an elastomer layer and a polyester mesh layer to allow a good joint and a perfect seal. Available in rolls of 50 m.



#### **WATERPROOF CORNERS**

Available in regular or inverted formats, the sealing corners provide waterproofing in addition to the strips or mats, in the most difficult to seal corners.



#### **METAL FIXINGS WASHERS**

Using metal washers in conjunction with screws allows for perfect anchoring system of our panels back to walls, floor and ceilings (for solid wall use masonry plugs)



#### **WALL ANCHORS**

Wall anchors are used for panel connections to the wall and the floor. These anchors ensure that the panels stay in place and allow the construction of shelving or bath skirts



#### **PERPENDICULAR ANCHORS**

Perpendicular anchors are used for inter-panel fastening, to ensure a firm grip of the panels while the PU adhesive dries.



#### JOINT BRACKETS

The Joint Brackets are used to connect vertical panels, in order to improve. overall strength. The brackets are pushed into the polystyrene and attached to the wall and are used in conjunction with PU Glue.



#### **POLYMERIZED WATERPROOF MORTAR**

Polymerized waterproof adhesive mortar which ensures the bonding and sealing of the reinforcing strips and waterproof strips. Delivered in a 5 kg bag - Available in larger packaging.



#### **POLYURETHANE GLUE (PU)**

Mono component Polyurethane Glue in cartridge, for fixing the panels together (corners or straight). Strong, fast bonding.



#### **SELF ADHESIVE WATERPROOF TAPE**

The self-adhesive waterproof tape is equipped with a butyl underlay to ensure self-adhesion to the panels and to seal quickly.



#### **PROFILE FOR TILE WALL 8 CM**

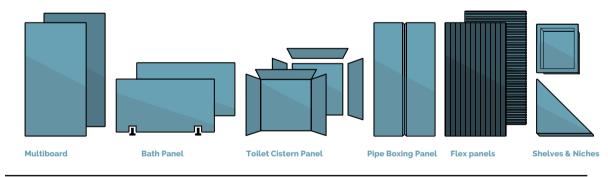
 $8\ cm$  wide U-profile for holding tileable panels for wall partitions for showers or bathroom furniture constructions - available in  $5\ cm$  on request.







#### Different types of Multiboard



Description	Test	Result
Thermal Conductivity up to 5 yrs	DIN 52612	0.034 W/mK
Compressive strength at 10% deflection	D <b>I</b> N 53421	400 kPa (40 tonnes/m2) at 10% deflection
Absorption of water when immersed	DIN 53428	0,2% per volume of water
Absorption of water (capillary)	D <b>I</b> N 53428	Negligable
Fire Characteristics	"BS476 PART 6.7 EN 1-13501"	Class E

Technical features of multiboard

Thickness in mm	4	6	10	12.5	20	30	40	50	80
Tile thickness adjustment	✓	✓	✓						
Levelling / Floor Covering		✓	✓	✓	✓	✓	✓	✓	✓
Wall Cladding	✓	✓	✓	✓	✓	✓	✓	✓	✓
Window Forming				✓					
Toilet Cistern panels					✓	✓			
Bath panel					✓	✓			
Podiums / Plinth							✓	✓	<b>✓</b>
Construction of Tiled Furniture							✓	✓	✓
Tileable Partition Walls								✓	✓
Insulation – Wall / Floor / Roof			1	✓	✓	✓	✓	✓	✓

Where to Use







### STANDARD MULTIBOARD

Marmox building panels are ideal for interior and exterior applications. In addition to being a lightweight building panel, it is used for waterproofing, dry-lining and to provide thermal insulation.

#### Interior Applications:

- •Waterproofing and insulation of floors, walls and ceilings
- •Underfloor heating insulation
- Bathroom partition walls
- Steam room walls
- Fabrication of tiled bathroom furniture

#### Exterior applications:

- \* Covering of exterior pipes
- \* External Thermal Insulation System
- \* Car Park Ceiling Insulation
- \* Roof Insulation System
- \* Decorative and architectural facade designs
- \* Covering exterior steel frame structures
- \* Use as an external tile backer or as a render board

#### **PIPE BOXING PANELS**

- Pipe boxing panels will help in quickly cladding right angles and insulate often unsightly pipes in bathrooms
- PIPE BOX PANELS
- CORNER FORMWORK
- PIPE COVERING
- CLADDING OF STAIRS / STEPS
- LIGHT SHELVING

Pipe boxing comes in 4x widths (150 x 150 mm, 200 x 200mm, 300 x 300mm, and 400 x 200mm). Its most common use is for covering pipe work, other uses include covering steel structure, finishing pillars, stair renovation, shelving, shuttering for concrete or screed.

• Pipe boxing comes flat packed making it easy to be stored and transported, simply fold the pipe boxing into a 90 degree shape which is held in position with a length of double sided tape that came pre attached to the 45 degree mitre.





# FLAT PACK DELIVERY TO AVOID BREAKAGE DURING TRANSPORTION

REF	DESCRIPTION	THICKNESS (MM)	WIDTH (MM)	LENGTH (MM)	WEIGHT PER PANEL (KG)
20 ANG 150					
20 ANG 200	Pipe Box Panel 20 x 20 cm	20	200 x 200		2
20 ANG 300		20			
20 ANG 400200	Pipe Box Panel 40 x 20 cm		400 x 200		3.2





#### **BATH PANELS**

From standard bathtubs to the corner bathtub, we offer a variety of solutions to quickly enclose your bath.

#### • STANDARD BATHTUBS

• The bath panel consists of standard 30mm panel, pre fitted with 2x adjustable levelling feet that allows for a tight compression fit under the rim of the bath providing a rigid and stable surface ready to be tiled. Marmox Bath panels provide an economical and fast solution compared to building a tileable bath panel from wood. Being 100% waterproof, our bath panels will not deteriorate over time, in addition they provide a more aesthetic solution because they allow immediate tiling with mosaics or the same tiles as the rest of the bathroom.





REF	DESCRIPTION	THICKNESS (MM)	WIDTH (MM)	LENGTH (MM)	WEIGHT PER PANEL	QUANTITY PER PALLET	
30 EB 55 185		BATH PANEL WITHOUT FEET 30		550			
30 EB 177	BATH PANEL WITHOUT FEET	30	600	1770	2.4	75	
30 TAB 90	TAB 90		100	900			
30 TAR 180	BATH PANEL WITH FEET		600	1800	2.4	75	

#### **TOILET CISTERN PANEL**

#### CLADDING FOR WALL HUNG FRAMES

#### • CLADDING FOR WALK IN SHOWER FRAMES

Cladding a support frame is often problematic and costly. The support frame cladding kit allows you to build the cladding with reliability, security and speed. In addition, it is ready-to-plaster, ready-to-tile and waterproof. The proposed kit consists of 4 panels to adapt to all situations. The time saved in installing the support frame is extremely advantageous and economical: around %50 compared to traditional solutions.

The support frame cladding can also be used for wall-mounted drains of walk-in showers such as shower support frames. They will allow you in addition to the support frame shower, to be able to make a half-height shelf for household products, or to house a shower column for PRM installations.

Cladding a concealed support frame has never been easier, faster and safer than with this product designed for every building on the market.

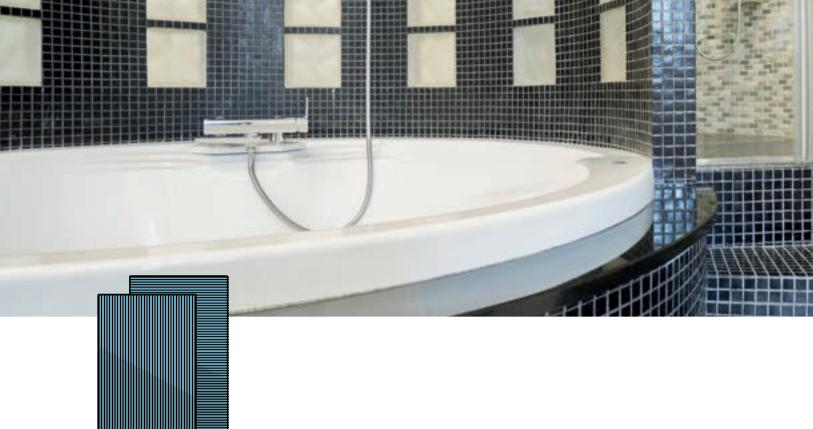




ESCRIPTION	THICKNESS (MM)	WIDTH (MM)	LENGTH (MM)	WEIGHT (KG)
LEABLE SUPPORT FRAME CLADDING KIT	30	600	1250	4
	ILET CISTERN PANEL - PRE CUT -	DILET CISTERN PANEL - PRE CUT - 20	DILET CISTERN PANEL - PRE CUT - 20 1200	ILET CISTERN PANEL - PRE CUT - 20 1200 1550







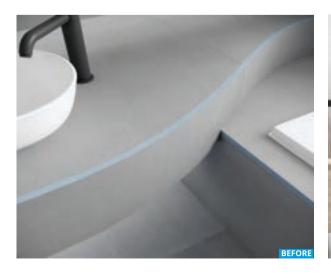
# FLEX PANELS FOR CURVED SHAPES

The range of flex panels, available in two formats (grooving in width or length), will allow you to fit all shapes of your bathroom or creatively create irregular shapes

- LINING OF PILLARS AND COLUMNS
- LINING OF ARCHWAYS AND ROUND WINDOWS

THE VERY EASY ADJUSTMENT AND FLEXIBILITY WILL ALLOW PROFESSIONALS TO ADAPT ALL CURVED SURFACES, ALSO BRINGING CREATIVITY TO THE RENOVATION OR CONSTRUCTION OF BATHROOM FURNITURE.

REF	DESCRIPTION	THICKNESS (MM)	WIDTH (MM)	LENGTH (MM)	WEIGHT PER PANEL (KG)	QUANTITY PER PALLET
20/30 JAGL 250	FLEX PANEL - ALONG LENGTH	20/30	600	2500	2.5	75
20/30 JAGW 250	FLEX PANEL - ALONG WIDTH	20,00	000	2000	2.0	,,







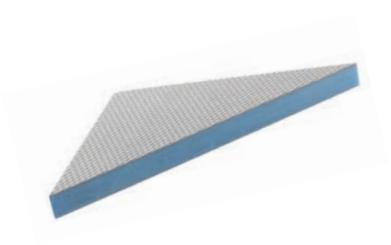




### **TILEABLE SHELVES**

What could be better than a designer touch to complete the finishing of bathroom. This is what we offer you with an ergonomic corner shelf in trendy design. This small corner shelf and its fixing kit will fit everywhere in the bathroom and in the shower. Ideal for new or renovation.

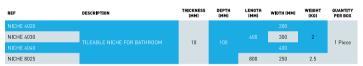




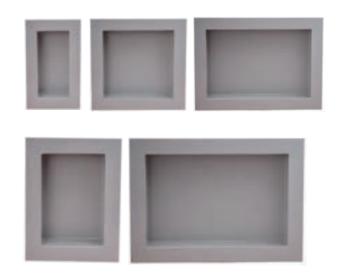


### **TILEABLE NICHES**

Marmox shower niches are easily installed and completely waterproof. Our niches can be installed between the stud work of your partition wall or bonded into a solid wall. The Marmox niche is 12.5mm thick helping to marry it with a 12.5mm standard Marmox panel used to line the rest of the wall or lined with 12.5mm plasterboard if not used in a wetarea. Marmox Niches can be plastered if required.

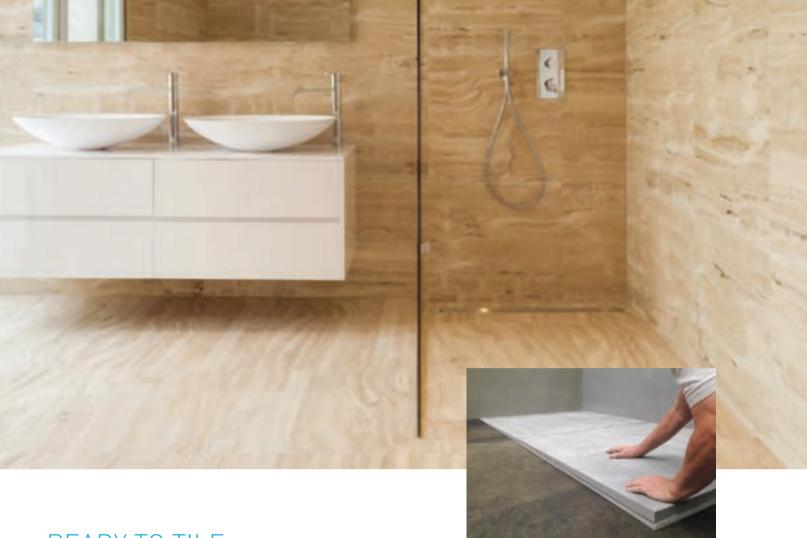


Available in 4 sizes. Custom sizes are possible.









READY TO TILE

# MARMOX SLOPED BOARD

# IDEAL FOR WET ROOMS WITH THE DRAINAGE ON THE EDGE OF THE WALL

Marmox Sloping Boards taper from 33mm on one edge down to 10mm on the other, making them ideal for wetrooms with the drainage along the edge of the wall. Create an effective slope that can easily be extended to the whole of the room by placing boards side by side. Marmox boards are fully waterproof and comply with freeze-thaw testing requirements and suitable for external applications. Ideal for wet rooms with the drainage on the edge of the wall

#### Dimensions

- The board is made in just one size, 1200 x 1200mm
- The thickness of one edge is 33mm and this slopes down to 10mm at the opposite edge
- As shown above they can be combined with 20mm thick Marmox Multiboards to extend the slope indefinitely

# **Technical Data**

Dimensions: Surface 1200mm x 1200mm Thickness 33mm ₪ 10mm							
Thermal Conductivity	EN13164	0.034W/mK					
Compressive Strength	EN862	400kPa					
Coefficient of Linear Expansion	ASTM D696	8 x 10- <sup>6</sup>					
Fire Rating	BS476	Class 0					
Water Absorption	ISO 2896	<0.7%					
Freeze-Thaw Resistance	ASTM 666-03	Pass					













STANDARD PANELS									
REF	DESCRIPTION	THICKNESS (MM)	WIDTH (MM)	LENGTH (MM)	U VALUE (W/m2K)	R VALUE (m2.K/W)	QUANTITY PER PALLET		
4 EB 125	PANEL 1250 X 600 X 4	4		1050	9.9	0.06	165		
6 EB 125	PANEL 1250 X 600 X 6	6		1250	7	0.12	150		
10 EB 250	PANEL 2500 X 600 X 10	10			3.5	0.25	215		
125 EB 250	PANEL 2500 X 600 X 12.5	12.5	600		2.7	0.33	150		
20 EB 250	PANEL 2500 X 600 X 20	20	900		1.5	0.56	106		
30 EB 250	PANEL 2500 X 600 X 30	30	1200	2500	1	0.86	75		
40 EB 250	PANEL 2500 X 600 X 40	40			0.7	1.16	60		
50 EB 250	PANEL 2500 X 600 X 50	50			0.57	1.47	45		
80 FB 250	PANEL 2500 X 600 X 80	80			0.5	2.33	25		

BATH PANEL								
REF	DESCRIPTION	THICKNESS (MM)	WIDTH (MM)	LENGTH (MM)	WEIGHT PER PANEL (KG)	QUANTITY PER PALLET		
30 EB 55 185	BATH PANEL WITHOUT FEET	30	550	1850	2.4	75		
30 EB 177			600	1770	2.4	75		
30 TAB 90	DATH DANIEL WITH EFFT	30	600	900	1.2	75		
30 TAB 180	BATH PANEL WITH FEET			1800	2.4	75		

REF	DESCRIPTION	THICKNESS (MM)	WIDTH (MM)	LENGTH (MM)	WEIGHT (KG)
TOILET BOARD	TOILET CISTERN PANEL - PRE CUT -	20	1200	1550	4
TOILET BOX	TILEABLE SUPPORT FRAME CLADDING KIT	30	600	1250	4

PIPE BOXING PANEL								
REF	DESCRIPTION	THICKNESS (MM)	WIDTH (MM)	LENGTH (MM)	WEIGHT PER PANEL (KG)	QUANTITY PER PALLET		
20 ANG 150	PIPE BOXING PANEL 15 X 15 CM	20	150 x 150	2500	1.6	75		
20 ANG 200	PIPE BOXING PANEL 20 X 20 CM		200 x 200		2	75		
20 ANG 300	PIPE BOXING PANEL 30 X 30 CM		300 x 300		3.2	75		
20 ANG 400200	PIPE BOXING PANEL 40 X 20 CM		400 x 200			75		

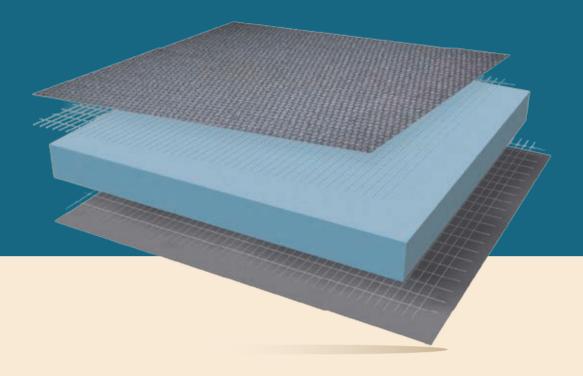
TELATANCES								
REF	DESCRIPTION	THICKNESS (MM)	WIDTH (MM)	LENGTH (MM)	WEIGHT PER PANEL (KG)	QUANTITY PER PALLET		
20/30 JAGL 250	FLEX PANEL - ALONG LENGTH	20/30	600	2500	2.5	75		
20/30 JAGW 250	FLEX PANEL - ALONG WIDTH	20,00						

TILEABLE S	SHELVES						
REF	DESCRIPTION	THICKNESS (MM)	WIDTH (I	1M) LE	NGTH (MM)	WEIGHT PER PANEL (KG)	QUANTITY PER PALLET
TILE CORNER	TILEABLE SHELF FOR BATHROOM	30	240		240	0.5	1 Piece
TILEABLE ref	NICHES	THICKNESS (MM)	DEPTH (MM)	LENGTH (MM)	WIDTH (MM)	WEIGHT (KG)	QUANTITY PER BOX
NICHE 4020 NICHE 4030 NICHE 4040	TILEABLE NICHE FOR BATHROOM	10	100	400	200 300 400	2	1 Piece
NICHE 8025				800	250	2.5	



TOILET CISTERN PANEL

FLEX PANELS



# Have a project in mind?

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marmox.in