

**marmox**<sup>®</sup>

**MARMOX BOARDS**  
INSTALLATION MANUAL

# table of contents



01 ..... MARMOX BOARDS on  
block walls

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02 ..... MARMOX BOARDS on  
uneven block walls

---

04 ..... MARMOX BOARDS on  
metal or timber frames

---

06 ..... MARMOX BOARDS on  
concrete floors

---

07 ..... MARMOX BOARDS on  
electrical underfloor  
heating systems

---

08 ..... Marmox Boards on  
timber floors

**Marmox**

**Innovative  
Construction  
&  
Insulation  
Solutions**



# 1 MARMOX BOARDS

## *on block walls*

MARMOX BOARDS offer a simple and safe solution for installation providing an excellent high quality substrate for tiling or plastering work.

### INSTALLATION STEPS:



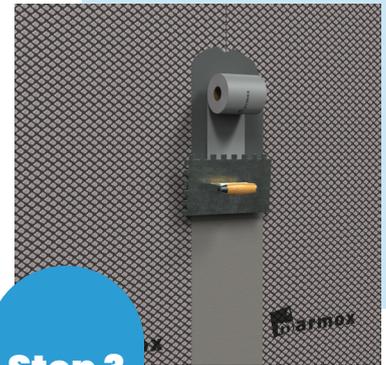
**Step 1**

Clean surface underneath the boards, remove and replace loose plaster. Level cavities if required.



**Step 2**

Apply cement tile adhesive all over the surface underneath and the MARMOX BOARD and align the board on the wall. Seal wet areas joints with MS Polymer. If area is dry, then reinforce with fiberglass tape which is embedded in the flexible tile adhesive.



**Step 3**

Seal joints with MARMOX sealing tape if waterproofing installation is required.

# 2 MARMOX BOARDS

## *on uneven block walls*

MARMOX BAORDS with minimum 20 mm thickness or more are recommended for weak, uneven or rough surfaces to give the best solution for a sustainable, clean, even, moist free and waterproof substructure for tiling or plastering.

### INSTALLATION STEPS:



#### Step 1

Clean and prime wall surface underneath the MARMOX BOARD as needed.



#### Step 2

Punch holes (5 per m<sup>2</sup> for ceramic tiles + 8 per m<sup>2</sup> for natural stone) into the MARMOX BOARD by using a screwdriver then apply over the holes with a dab of flexible tile adhesive.



#### Step 3

Fix the MARMOX BOARD on the wall at the right position, you may use a rubber hammer to align with the other board. Check that the board is levelled.



#### Step 4

Drill into the substrate through the dabs of adhesive and then position the dowels. Wait for adhesive to cure before hammering the dowels.



#### Step 5

Ensure the penetration of dowels into the load-bearing substructure should not be less than 35 mm.



#### Step 6

Consider adding a packer board behind the MARMOX BOARD in case of big gaps.



### Step 7

Seal wet areas joints and cover all washers with MS Polymer.

### Step 8

Cover and reinforce joints & holes with fiberglass tape which is embedded in the flexible tile adhesive. Seal joints with MARMOX sealing tape if waterproofing installation is required.

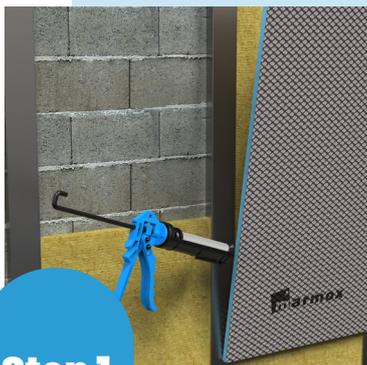


# 3 MARMOX BOARDS

## *on metal or timber frames*

MARMOX BOARDS with thicknesses of 10 mm or more can be installed on timber and metal frames. The stud spacing of metal or timber frames should be 600 mm for boards with 20 mm thickness or more. A stud spacing of 300 mm is recommended for MARMOX BOARDS with 10 mm or 12.5 mm thickness.

### INSTALLATION STEPS:



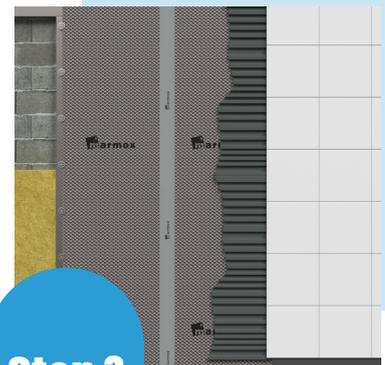
**Step 1**

Screw the MARMOX BOARD to the timber or metal frame tightly by using MARMOX washers along with drywall screws. Seal wet areas joints and cover all washers with MS Polymer.



**Step 2**

Cover and reinforce joints & holes with fiberglass tape which is embedded in the flexible tile adhesive. Seal with MARMOX sealing tape, if waterproofing installation is required.



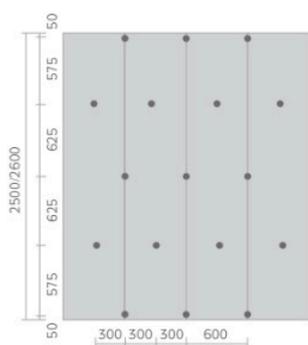
**Step 3**

Proceed with tiling or plastering as normal.

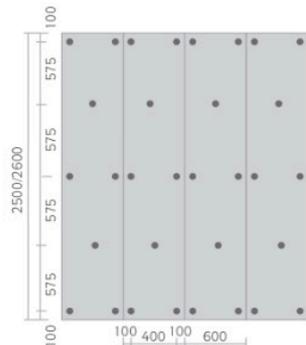


BY DOWELING, PLEASE CONSIDER THE FOLLOWING

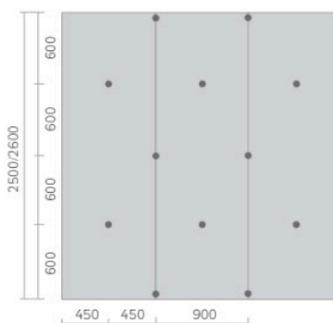
## SOLID WALL



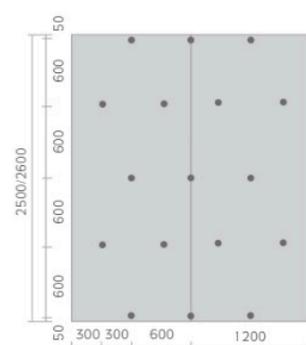
Positioning of dowels for full surface bonding of boards starting with 4 mm thickness.



Positioning of dowels on uneven or rough wall surface with dab of flexible tile adhesive with min 20 mm thickness.

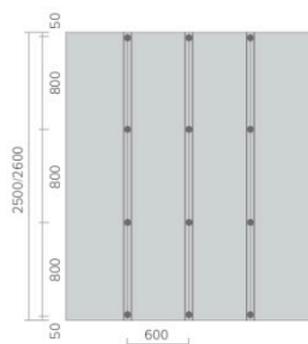


Positioning of dowels for full surface bonding of boards with 900 mm width starting with 10 mm thickness.

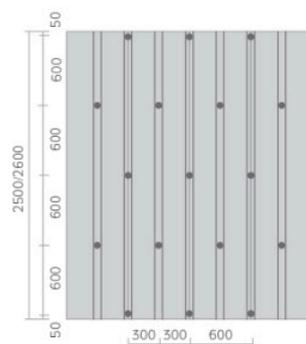


Positioning of dowels for full surface bonding of boards with 1200 mm width starting with 10 mm thickness.

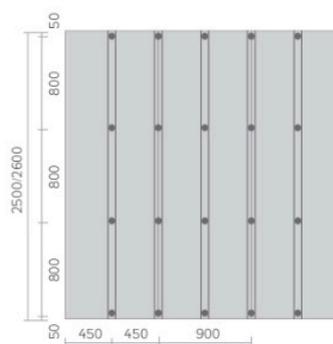
## TIMBER AND METAL FRAMES



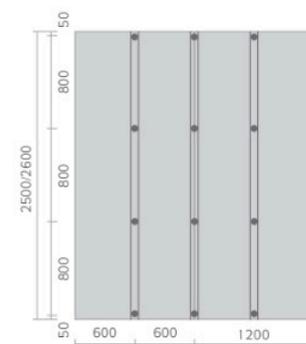
Use 600 mm wide MARMOX BOARD with min. 20 mm thickness for stud frame distance of 600 mm.



600 mm wide MARMOX BOARD with 10 mm and 12.5 mm thickness can be used if stud frame distance is 300 mm.



Stud frame distance of 450 mm is recommended for 900 mm wide MARMOX BOARD with 10 mm and 12.5 mm thickness.



Stud frame distance of 600 mm is recommended for 1200 mm wide MARMOX BOARD with minimum 20 mm thickness.



# 4 MARMOX BOARDS

## *on concrete floors*

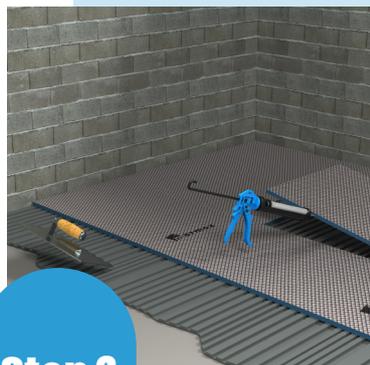
Before installation of the MARMOX BOARDS the floor needs to be completely cleaned and the surface must be free of dust, grease and loose particles in order to keep the load. You may need to treat the surface in case of an unevenness for correct installation of the MARMOX BOARD.

### INSTALLATION STEPS:



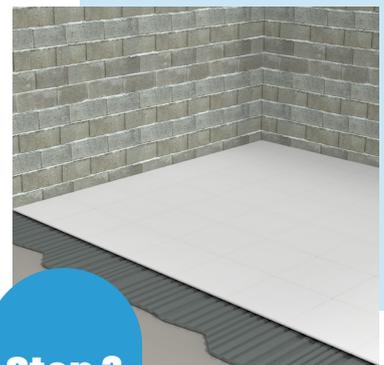
**Step 1**

Clean, prime and seal the subsurface before installing of the MARMOX BOARD.



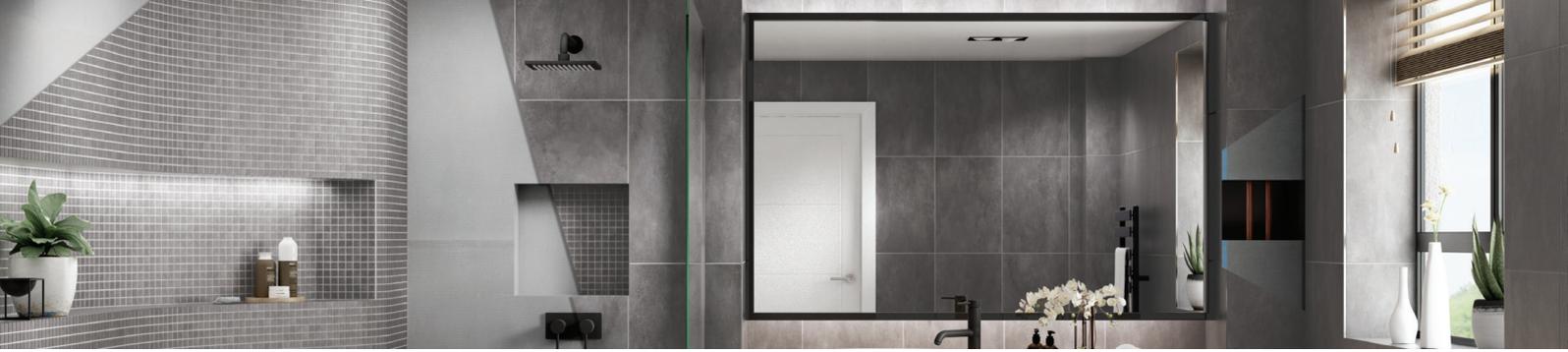
**Step 2**

Glue the MARMOX BOARD with flexible tile adhesive in a brick pattern. In wet areas, seal joints with MS Polymer. Apply fiberglass tape which is embedded in the flexible tile adhesive over all joints for reinforcement, with an overlapping of 40-50 mm.



**Step 3**

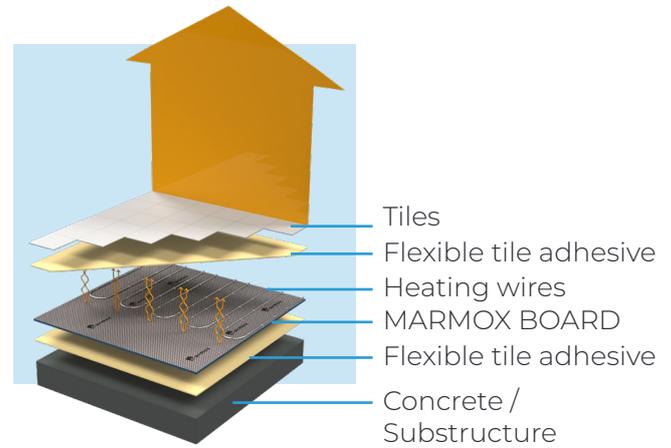
Lay tiles after curing (minimum tile dimension are 100 x 100 mm with thickness not less than 7 mm).



# 5 MARMOX BOARDS

## *on electrical underfloor heating systems*

Electrical underfloor heating systems installed with MARMOX insulation board are safe, proven over many years to be much more energy efficient with considerable reduced heating up time compared with direct installation of heating wires on substructure without any insulation. MARMOX BOARDS underfloor heating insulation is recommended to prevent high energy loss.



### INSTALLATION STEPS:



**Step 1**

Clean the floor completely. Use a floor trowel to apply a layer of cement-based flexible tile adhesive over the floor. Fix the MARMOX BOARDS down in place and press gently to get them in the right position in a brick pattern.



**Step 2**

Cover joints with MARMOX Reinforcing Tape. Seal wet areas joints with MS Polymer. Seal with MARMOX sealing tape, if water proofing installation is required.



**Step 3**

Install the underfloor heating system according to the manufacturer's installation manuals. Lay tiles (min. dimension: 100 x100 mm, not thinner than 7 mm). Vinyl or carpet can also be laid if a 4 mm thick self levelling compound is applied before.



# 6 MARMOX BOARDS

## *on timber floors*

### INSTALLATION STEPS:



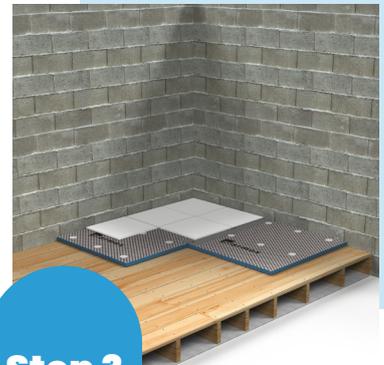
**Step 1**

Clean the floor completely. Use a floor trowel to apply a layer of thin set adhesive over the floor. Fix the Marmox BOARDS down in place and press gently to get them in the right position in a brick pattern.



**Step 2**

Screw the MARMOX BOARDS to the timber floor tightly by using MARMOX washers along with chipboard screws at a rate of 12 per sheet. Seal wet areas joints and cover all washers with MS Polymer.



**Step 3**

Cover and reinforce joints & holes with fiberglass tape which is embedded in the flexible tile adhesive. Seal with MARMOX sealing tape if waterproofing installation is required. Lay tiles after curing (minimum tile dimension are 100 x 100 mm with thickness not less than 7 mm).

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*IT'S WHAT 'S UNDERNEATH THAT COUNTS*