

Specification: The Tilebacker on OSB or Chipboard sheet flooring

Product Ref: Marmox The Tilebacker

Product Use: Intermediate substrate to ceramic and stone tiling OSB/Chipboard sub-floor.

Manufacturer: Marmox Ltd

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Description: Extruded polystyrene board covered with one side of fibreglass mesh encased in a c.0.75mm layer of polymer modified concrete which permanently bonds the mesh to the polystyrene.

Dimensions: Board Width = 600mm, Board Length = 1250mm, Thickness = 6mm & 10mm

Specification: Marmox The Tilebacker is fixed to the OSB/Chipboard (*XPS side down*) with a continuous bed of flexible cement-based tile adhesive. Boards are configured in a brick-bond pattern where possible. A line of Marmox Multibond along each board edge seals and secures the boards together. A 5mm gap is left between the boards and the wall which is filled with Marmox Multibond.
The bond is also reinforced with mechanical fixings. Five screws and Marmox washers per board (*one in each corner and one in the middle*) are fixed after the adhesive has cured. These screw fixings are sealed with a dab of Multibond prior to tiling. Prior to tiling, cover the board joints with scrim tape and ensure that any expansion gaps are filled with Marmox Multibond

If a completely waterproof layer is required - recommended on an OSB or chipboard base
All board joints must be covered with Marmox self-adhesive waterproof tape instead of reinforcing (scrim) tape.

Properties: Resistant to external environment and temperatures.
Low thermal conductivity (0.034W/mK) unaffected by moisture.
Does not expand or contract as temperature and humidity alters.
Absorbs lateral movement in the sub-floor to reduce the risk of cracking in the paved/tiled surface.
Completely impermeable to water.

Limitations:

- 1) Compounds containing organic solvents (*including solvent-based tile sealers*) must not be used.
- 2) Temperatures in excess of 75°C are not appropriate.
- 3) The board can compress if point load pressure is applied therefore tiles no smaller than 50mm x 50mm should not be used on the floor.
- 4) Should not be installed upon fresh concrete / screed as the waterproof nature of the board will limit evaporation.
- 5) If the floor includes expansion joints, The Tilebacker must not be fitted over them.