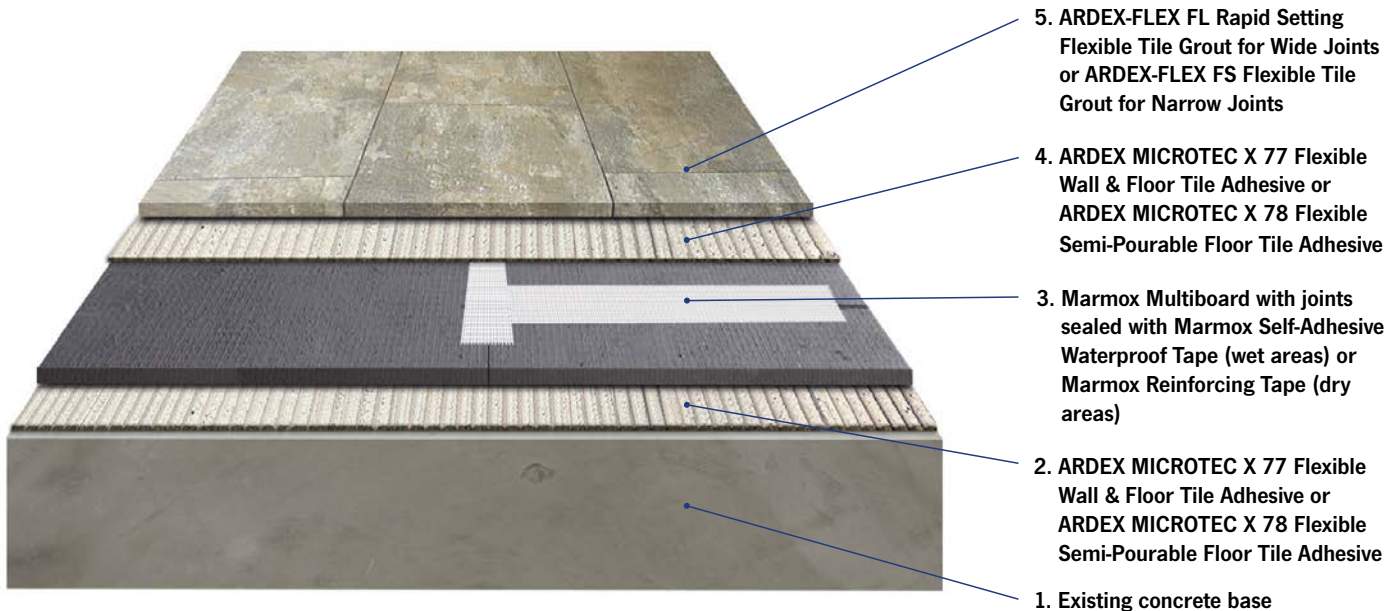




**HIGH PERFORMANCE  
FLOORING AND TILING PRODUCTS**

**MARCH 2017  
SYSTEM DATA SHEET**

## FIXING CERAMIC AND PORCELAIN FLOOR TILES TO MARMOX MULTIBOARD



1. Existing concrete base
2. ARDEX MICROTEC X 77 Flexible Wall & Floor Tile Adhesive or ARDEX MICROTEC X 78 Flexible Semi-Pourable Floor Tile Adhesive
3. Marmox Multiboard with joints sealed with Marmox Self-Adhesive Waterproof Tape (wet areas) or Marmox Reinforcing Tape (dry areas)
4. ARDEX MICROTEC X 77 Flexible Wall & Floor Tile Adhesive or ARDEX MICROTEC X 78 Flexible Semi-Pourable Floor Tile Adhesive
5. ARDEX-FLEX FL Rapid Setting Flexible Tile Grout for Wide Joints or ARDEX-FLEX FS Flexible Tile Grout for Narrow Joints

### CONCRETE FLOORS (DRY & WET AREAS)

Existing concrete bases and screeds should be mechanically prepared to remove all traces of existing finishes, contamination, etc., and expose a clean surface. New concrete bases and screeds should be adequately cured and dried to allow any shrinkage to occur.

The Marmox Multiboard should be bedded into the prepared base using ARDEX MICROTEC X 77 Flexible Wall & Floor Tile Adhesive or ARDEX MICROTEC X 78 Flexible Semi-Pourable Floor Tile Adhesive. The ARDEX adhesive should be applied with an 8mm x 8mm square toothed and notched trowel to give a ribbed bed, with the mortar filling any slight depressions. The Marmox Multiboard should then be laid into the freshly applied adhesive and thoroughly bedded in to ensure that, as far as is practicable, no voids are left beneath the boards.

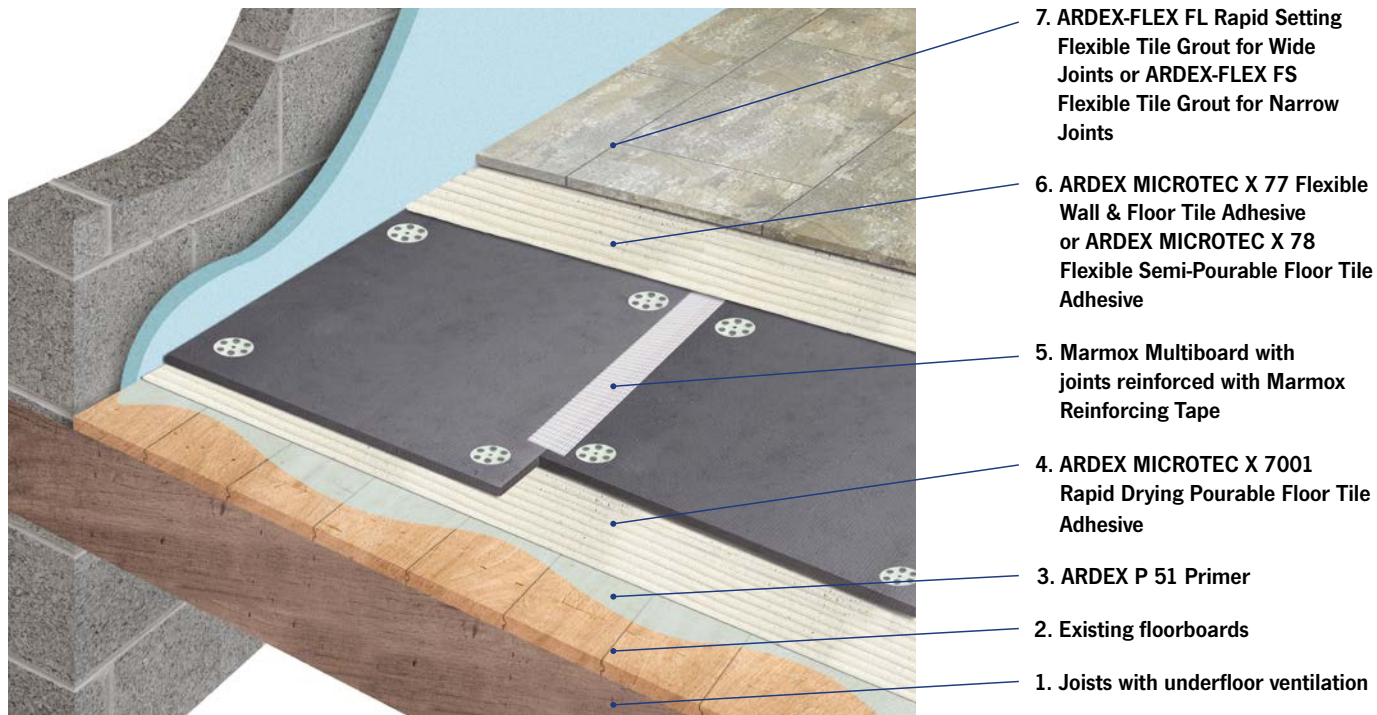
All boards should be laid with staggered joints. Once the adhesive bed has hardened, after approximately 24 hours, joints in wet areas should be waterproofed with Marmox Self-Adhesive Waterproof Tape and/or joints in dry areas should be reinforced with Marmox Reinforcing Tape.

#### TILE FIXING

Tiles should be a minimum of 150x150mm and fixed using ARDEX MICROTEC X 77 Flexible Wall & Floor Tile Adhesive or ARDEX MICROTEC X 78 Flexible Semi-Pourable Floor Tile Adhesive, ensuring no voids are left behind the tiles. Once the tile bed has hardened sufficiently, after approximately 24 hours, the joints between the tiles can be grouted using ARDEX-FLEX FL Rapid Setting Flexible Tile Grout for Wide Joints or ARDEX-FLEX FS Flexible Tile Grout for Narrow Joints.

#### MOVEMENT JOINTS

The Marmox Multiboard must not bridge movement joints in the subfloor. The integrity of these joints should be maintained through the board and tile bed and should be sealed in the appropriate manner.



## SUSPENDED TIMBER FLOORS (DRY AREAS ONLY)

Ensure that adequate underfloor ventilation is provided. Existing floorboards should be securely and rigidly fixed (refer to BS 5385: Part 3: 2014 regarding minimum floor stiffness and rigidity).

The surface of the floorboards should be primed with ARDEX P 51 Primer, applied neat as a thin, even coat using a brush or broom, and allowed to dry to a clear film.

The Marmox Multiboard should be bedded into the dry, primed floor using ARDEX MICROTEC X 7001 Rapid Drying Pourable Floor Tile Adhesive. The ARDEX adhesive should be applied with an 8mm x 8mm square toothed and notched trowel to give a ribbed bed, with the mortar filling any slight depressions. The Marmox Multiboard should then be laid into the freshly applied adhesive and thoroughly bedded in to ensure that, as far as is practicable, no voids are left beneath the boards.

All boards should be laid with staggered joints. Once the adhesive bed has hardened, after approximately 2 hours, joints should be reinforced with Marmox Reinforcing Tape.

When the adhesive bed has hardened, after approximately 2 hours, the boards should be fixed using screw fixings and washers at a rate of 5 per square metre; the fixings should be a minimum of 30mm from the edge of the Marmox Multiboard. The screw washer fixing should be tightened into the board until the screw head is flush with the surface; if required, it can be driven flush with the board surface using a rubber headed mallet and the screw then re-tightened.

### TILE FIXING

Tiles should be a minimum of 150x150mm and fixed using ARDEX MICROTEC X 77 Flexible Wall & Floor Tile Adhesive or ARDEX MICROTEC X 78 Flexible Semi-Pourable Floor Tile Adhesive, ensuring no voids are left behind the tiles. Once the tile bed has hardened sufficiently, after approximately 24 hours, the joints between the tiles can be grouted using ARDEX-FLEX FL Rapid Setting Flexible Tile Grout for Wide Joints or ARDEX-FLEX FS Flexible Tile Grout for Narrow Joints.

### MOVEMENT JOINTS

The Marmox Multiboard must not bridge movement joints in the subfloor. The integrity of these joints should be maintained through the board and tile bed and should be sealed in the appropriate manner.

This advice is intended for general guidance. For further information, please consult the relevant product datasheets at [www.ardex.co.uk](http://www.ardex.co.uk) and [www.marmox.co.uk](http://www.marmox.co.uk)

NOTE: The information supplied in our literature or given by our employees is based upon extensive experience and, together with that supplied by our agents or distributors, is given in good faith in order to help you. Our Company policy is one of continuous Research and Development; we therefore reserve the right to update this information at any time without prior notice. We also guarantee the consistent high quality of our products; however, as we have no control over site conditions or the execution of the work, we accept no liability for any loss or damage which may arise as a result thereof.

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