

THIS METHOD STATEMENT IS FOR A SINGLE COMPONENT LATEX POLYMER MODIFIED TILE ADHESIVE FOR ALL WALL AND FLOOR CERAMIC TILES, PORCELAIN MOSAIC AND FULLY VITRIFIED TILES.

**METHOD STATEMENT: MasterTile 434 Grey and White**

**1. SUBSTRATE:**

- 1.1. The substrate must be sound, clean and able to bear weight, bond-inhibiting materials and other residues must be thoroughly removed.
- 1.2. The substrate must be plumb and flush in accordance with BS 5385.
- 1.3. Very absorbent cement-based substrates and aerated blocks should be primed with **MasterTile P 302**.
- 1.4. Refer to Master Builders Solutions Technical department if there is any uncertainty as to the type of preparation needed or any other related problems such as cracks in the substrate.

**2. APPLICATION PROCEDURE:**

**2.1. Mixing of bedding mortar**

- 2.1.1. Place **approx. 5.4-5.6 L (per 20 kg bag)** gauging water in a clean mixing vessel. Add powder and mix the mortar with a suitable paddle attached to an electric drill until a plastic, lump-free consistency is achieved.
- 2.1.2. **MasterTile 434** can be part batched by the following ratios, **0.27-0.28 L** gauging water per 1 kg **MasterTile 434** powder.
- 2.1.3. Allow a slake time of approx. 3 minutes for **MasterTile 434**, and then remix briefly.

**2.2. Tiling Application Procedure**

- 2.2.1. Apply a thin scratch coat to the substrate with the smooth edge of the trowel.
- 2.2.2. Comb the **MasterTile 434 mortar** onto the fresh scratch coat with a notched trowel. Apply the adhesive bed in one direction, if possible.
- 2.2.3. Apply only as much adhesive as can be covered with tiles during the open time. Check the open time by touching the adhesive with your finger tip.
- 2.2.4. Place tiles in the adhesive bed and adjust to correct position.
- 2.3. When laying larger format single tiles in areas subject to frequent or constant contact with water use **MasterTile 434** in the combined method buttering-floating, applying the adhesive to the tile and to the substrate to provide void free bedding.
- 2.4. Tiles should be dry and fixed by pressing into place with slight twisting motion, ensuring the back of the tile achieves full contact with the adhesive.
- 2.5. When tiling on walls and to stop the tiles slipping under the weight of the tiles install a support bar at the base of the wall to support the first row of tiles.

- 2.6. A minimum of gap of 2mm, or as specified shall be left between tiles. Adjustments to tiles should only be made during the adhesives open wet time.
- 2.7. Remove excess adhesive from the face of the tile with a damp sponge or cloth before it sets.
- 2.8. Joints shall be raked out in readiness for grouting whilst the adhesive is still of a plastic consistency.
- 2.9. A minimum of 24 hours shall elapse before grouting.
- 2.10. Movement joints shall be provided in accordance with the specification or, if not included, to published local standards or BS 5385.

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