

THIS METHOD STATEMENT COVERS THE MIXING AND APPLICATION OF **MasterTile FLX 441**, A CEMENT BASED POLYMER MODIFIED HIGH PERFORMANCE MEDIUM BED MORTAR ADHESIVE FOR CRITICAL NATURAL STONE COVERINGS AND CERAMICS.

METHOD STATEMENT: MasterTile FLX 441 - C2FTS1 ADHESIVE

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. Very absorbent cement-based substrates and aerated blocks should be primed with **MasterTile P 302**.
- 1.3. 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.
- 1.4. Cementitious screeds should be cured for 28 days or have a residual moisture content of 4% or less, **MasterTop 518** or **MasterTop 548** fast track screed can be tiled after 3 days.
- 1.5. Concrete should be cured for three months or have a residual moisture content of 4% or less prior to the application of tiles or stone.

2. APPLICATION PROCEDURE:

2.1. Mixing of MasterTile FLX 441

- 2.1.1. Place approx. 5.0 litre (per 25 kg bag) of the **Part B** liquid in a clean mixing vessel. Slowly add the powder whilst mixing with a heavy-duty handheld mixer (Collomix Xo6 or similar) fitted with a Collomix KR mixing paddle (or similar) until a soft plastic, lump-free consistency is achieved. Add the balance of the **Part B (0.5 litres)** liquid and continue to mix for a further 1 minute.
- 2.1.2. Allow a slake time of approx. 3 minutes for **MasterTile FLX 441**, and then remix briefly.

2.2. Laying Tiles

- 2.2.1. Apply **MasterTile FLX 441** onto the substrate with the smooth edge of the trowel section by section to create a scratch coat
- 2.2.2. Apply the **MasterTile FLX 441** onto the fresh scratch coat with a medium bed notched trowel or any suitable notched trowel which enables almost full bedding. Apply the adhesive bed in one direction only, if possible.
- 2.2.3. Apply only as much adhesive as can be covered with natural stone and or tiles during the open time. Check the open time by touching the adhesive with your fingertip.
- 2.2.4. Place/position the tiles with a twisting and sliding motion to obtain a near almost full bed and adjust to the correct position.
- 2.2.5. When laying larger format natural stones/single tiles in areas subject to frequent or constant contact with water use **MasterTile FLX 441** in the combined method buttering-floating, applying the adhesive to the tile and to the substrate to provide void free bedding.

- 2.2.6. A minimum of gap as specified shall be left between tiles. Adjustments to tiles should only be made during the adhesives open time.
- 2.2.7. Remove excess adhesive from the face of the tile with a damp sponge or cloth before it sets.
- 2.2.8. Grout Joints shall be raked out in readiness for grouting whilst the adhesive is still of a plastic consistency.
- 2.2.9. Do NOT grout the tiles until a minimum period of 4 hours after installation has elapsed.
- 2.2.10. Movement joints shall be provided in accordance with the specification or, if not included, to published local standards or BS 5385.

NOTE:

MasterTile FLX 441 can also be used to lay large size natural stones in vertical positions i.e. stair risers, natural stone dados, please consult Master Builders Solutions Technical services or Master Builders Solutions TDS.

In situations where high layer thicknesses are required the amount of **Part B** liquid for **MasterTile FLX 441** can be reduced, however this will result in the open time decreasing and a decrease in the yield.

Never add water to **MasterTile FLX 441** – Use only the supplied **Part B** liquid.

Never add any liquid (**Part B**) or dry powder to a **MasterTile FLX 441** mix which has already begun to set.

For void free bedding of natural stone and or tiles it is essential that the appropriate mixing ratio is strictly observed and adhered too.

Clean tools and mixing containers with clean water immediately after use.

Once the **MasterTile FLX 441** mortar/adhesive has cured it can only be removed by mechanical means.

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