

THIS METHOD STATEMENT COVERS THE PREPARATION, MIXING AND APPLICATION OF **MasterTile RSG 705**.

METHOD STATEMENT: MasterTile RSG 705

1. APPLICATION PROCEDURE:

PREPARATION:

- 1.1. Ensure all laitance and contaminants such as oil, grease and coating systems are removed by either mechanical wire brushing or grit blasting. The surface should be dry, any dust should be removed by an industrial vacuum.
- 1.2. The surface should contain no more than 5% moisture and any major repairs in the form of damaged arrises, cracks and honeycombing should be repaired with the appropriate Master Builders Solutions repair system. Where minor blemishes such as blowholes or minor honey combing exist, these can be filled out simultaneously with the bedding adhesive when it is applied.
- 1.3. Prior to application, **MasterTile RSG 705** systems should be stored under cover and protected from extremes of temperatures which may cause inconsistent workability and cure times for the mixed material.
- 1.4. Ideally at least 24 hours before mixing, **MasterTile RSG 705** shall be maintained at approximately 20°C.
- 1.5. During application in cold conditions, correct conditioning can help, but application shall be halted if the ambient temperature is likely to fall below 10°C.
- 1.6. Consideration should be given to the substrate or base slab as it is likely to be considerably colder than the surrounding air temperature. When temperatures exceed 30°C during application, working times may be reduced by as much as 50%.

2. MIXING:

- 2.1. **MasterTile RSG 705** is of a heavy consistency and should be mechanically mixed.
- 2.2. Using a slow speed electric drill with a paddle attachment, pour the reactor (PTB) into the base (PTA) tin and mix for approximately 2 minutes or until a uniform consistency and colour is obtained.
- 2.3. Pour the mixed resin into a forced action mixer (such as a mixal) and slowly add the filler (PTC) mixing until a lump free, uniform consistency is achieved.

3. BEDDING:

- 3.1. To the prepared surface apply a solid bed of adhesive to a minimum thickness of 3mm.
- 3.2. Ensure that the size of the working area can be tiled within the pot life of the **MasterTile RSG 705**.
- 3.3. On vertical applications the adhesive shall be applied with a notched trowel to leave a ribbed bedding.

4. TILE FIXING:

- 4.1. Tiles and paviours should be pressed firmly into place with a twisting motion until properly aligned and bedded.
- 4.2. On vertical applications tiling should begin from the bottom upwards. Ensure that at least 75% of the tile back is in contact with the adhesive.
- 4.3. A minimum width of 5mm must be left around tiles for grouting.

5. GROUTING:

- 5.1. The grouting operation can be carried out either simultaneously with the application of the bedding mortar or after the bedding mortar has set.
- 5.2. When proceeding with one continuous operation, apply extra thickness in the bed to allow for material to ooze through the gaps once tiles are pressed onto the adhesive. The grout is then trimmed off and grouted joints are finished with a spatula or palette knife.
- 5.3. Where grouting is to be carried out after the bed has set and tiles are permanently fixed in place, apply the epoxy grout to the joints by plastic spatula and finish off.
- 5.4. Immediately following the grouting operation use a fibrous pad or wet soft cloth to clean off the excess material. This should take place within 15 minutes and care should be exercised not to use excess water or allow water to come into contact with the wet grout.
- 5.5. Surplus material must be removed from the face of the tiles before it sets.

6. CURING:

- 6.1. Good curing is essential for resin-based materials to ensure specified performance. A minimum temperature of 10°C should be maintained during the curing period by the use of additional heating if necessary.
- 6.2. Installations using **MasterTile RSG 705** systems can be opened to foot traffic after approximately 24 hours at 20°C. Complete cure is achieved after 72 hours at 20°C.

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