

**THIS METHOD STATEMENT COVERS THE PREPARATION AND APPLICATION OF MasterTop TC 449.**

**METHOD STATEMENT: MasterTop TC 449 – Line Marking Coating**

**MasterTop TC 449** is a two-component pre-pigmented polyurethane floor coating system designed specifically for the installation of traffic line markings, etc. onto both bare concrete and newly or previously coated flooring (Epoxy and polyurethane based systems).

The requirements for surface preparation prior to the installation of the line markings varies with the type of flooring it is being applied to as follows:

**1. BARE CONCRETE FLOORING:**

- 1.1. The concrete flooring / cementitious screed should have a moisture content of <5% when tested with a suitable moisture meter (Tramex or similar).
- 1.2. The surfaces should be free of all contaminants, dirt, oils, curing compounds etc. that would otherwise impede adhesion. Degreasing followed by light surface grinding is recommended.
- 1.3. Once the surface has been adequately prepared (clean & dry) the line markings should be masked out on the floor as required using high quality masking tape and ensuring its edges are firmly bonded to the surface – use a small diameter rubber roller to ensure tight contact to prevent the edges bleeding.
- 1.4. Once all marking out is completed, mix and apply **MasterTop P 650** epoxy primer to the areas using a small short nap / Foam paint roller or suitable soft bristled paint brushed.
- 1.5. Primer to be applied at a rate of approx. 200 g/m<sup>2</sup> and should create a slight sheen to the coated surface when dry. If the surfaces appear matte, re-priming would be advisable as it indicates a very porous surface.
- 1.6. NOTE: IF a non-slip finish is required within the line markings it will be necessary to broadcast **MasterTop SR 3** into the wet and glossy primer at the rate of 1.5 kg/m<sup>2</sup> to achieve the desired surface profile.
- 1.7. Remove the masking tape after approx. 1 hour and BEFORE the primer fully cures, otherwise it will be difficult to remove and may require cutting.
- 1.8. Allow the primer to fully cure to a tack-free condition, this is temperature dependent (typically left overnight).
- 1.9. Re mask all the required lines as above and ensure the primed surface is dry and clean.
- 1.10. Pre-mix the **MasterTop TC 449** Part A to ensure full pigment dispersion and then add the Part B to the Part A container.
- 1.11. Mix **MasterTop TC 449** Part A and Part B together using a slow speed drill and small mixing spiral for 2-3 minutes until a streak-free consistent colour is achieved.
- 1.12. Remove any loose **MasterTop SR 3** aggregates (if used) by lightly brushing the surface of the cured primer.
- 1.13. Pour the mixed material out into shallow paint trays and using a short nap paint roller or suitably sized paint brush, apply to the primed areas at a rate of approx. 250 g/m<sup>2</sup> and allow to become tack-free to the touch (4-6 hours depending upon temperatures etc.).

- 1.14. Check the applied markings for any signs of transparency and if necessary, to achieve a solid colour apply a second coat as detailed above. Second coat IF required MUST be applied within 18 hours of the initial application.
- 1.15. After completion of the **MasterTop TC 449** application (final coat if 2 coats required) carefully remove the masking tape by pulling it away from the edge of the marking at an angle – helps prevent tearing of the applied coating.

## **2. APPLICATION TO AN EXISTING FLOOR COATING:**

- 2.1. If being applied to an any of the Master Builders Polyurethane or Epoxy based floor coating systems (**MasterSeal Traffic 1300 / MasterTop 1200 - 1300 series**) the use of a primer is NOT needed and the line markings are simply applied as above BUT within the overcoat timeframe of the system it is being applied to.
- 2.2. This is typically within 48 hours of the installation of the main floor coating system and if so, there is no surface preparation required other than ensuring a dry and dust-free surface.
- 2.3. If the **MasterTop TC 449** is to be applied to an existing (old) floor coating the surfaces MUST be thoroughly degreased and the surfaces lightly sanded to remove any “gloss” finish that the existing floor coating may have.
- 2.4. The areas should then be solvent wiped with a clean lint-free cloth and Acetone / MEK / Xylene to ensure the surfaces are perfectly clean (grease / oil free etc.).
- 2.5. Mask off the required lines, arrows etc. and apply as detailed in points 1.10 - 1.15 (excluding 1.12) above – No aggregate is used.

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### **STATEMENT OF RESPONSIBILITY**

The technical information and application advice given in this Master Builders Solutions publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

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### **NOTE**

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