

THIS METHOD STATEMENT COVERS THE PREPARATION AND APPLICATION OF MasterTop TC 443LM.

METHOD STATEMENT: MasterTop TC 443LM – Line Marking Paint

MasterTop TC 443LM is a single-component pre-pigmented acrylic paint 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, pour the mixed material out into shallow paint trays and using a short nap / foam paint roller or suitably sized paint brush, apply to the areas at a rate of approx. **0.25 litres / m²** and allow to become tack-free to the touch (1-2 hours depending upon temperature and humidity).
- 1.5. Check the applied markings for any signs of transparency and if necessary, to achieve a solid colour apply a second coat as detailed above (**0.25 litres / m²**). Second coat IF required should be applied within 12-18 hours of the initial application.
- 1.6. Carefully remove the masking tape upon completion of the section of line markings and whilst the paint is still slightly wet. Pull the tape across the painted area at a slight angle to ensure a neat edge to the line. If applying a second coat it may be advisable to re-apply masking tape.

2. APPLICATION TO AN EXISTING FLOOR COATING:

- 2.1. If being applied to a Polyurethane based car park deck system such as **MasterSeal Traffic 1330 / MasterSeal Traffic 1331 / MasterSeal Traffic 1332** or any of the **MasterTop** Epoxy based systems, the use of a primer is NOT needed, and the line markings are simply applied as above.
- 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 clean, dry and dust-free surface.
- 2.3. If the **MasterTop TC 443LM** 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 1.1-1.6 above.

3. AIRLESS SPRAY APPLICATION: MasterTop TC 443LM

- 3.1. If it is required to carry out the application of larger areas the **MasterTop TC443LM** can be spray applied using a suitable airless sprayer fitted with 15-20 thou nozzle of a suitable fan width (depending upon design of the floor signage).
- 3.2. It may be necessary to dilute the **MasterTop TC 443LM** with a small amount of potable water (up to 5% by volume max) depending upon the spray equipment being used.

Site trials would be required to determine the best nozzle sizes and line pressures.

STATEMENT OF RESPONSIBILITY

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