

THIS METHOD STATEMENT COVERS THE PREPARATION AND APPLICATION OF **MasterSeal Traffic 1332**.

METHOD STATEMENT: MasterSeal Traffic 1332 - DRIVING LANES & PARKING BAYS

1. SUBSTRATE PREPARATION:

- 1.1. Prior to starting preparation, close the area to be prepared to all traffic and other trades.
- 1.2. The preferred methods of substrate preparation are; captive blasting using medium shot, scarifying (using Bartel, Erut, Von Arx or similar equipment) or surface grinding.

NOTE: Acid etching should not be used.

- 1.3. If any part of the floor is contaminated by oil, grease or fuel, the contamination should be removed before other forms of preparation are undertaken.
- 1.4. At free edges such as aisleways and doorways the floor topping should be terminated properly. Cut a groove in the substrate along the line of termination. The groove should be at least as deep as the thickness of the topping with the inner edge cut at a 20° angle.
- 1.5. Prepare the concrete substrate using the chosen method, removing all laitance and weak or friable concrete. The finished surface should have the texture of medium sandpaper.
- 1.6. Surface defects exposed during surface preparation such as shrinkage cracks, blow holes, minor honey combing, minor damage to joint arrises, etc. shall be filled with **MasterTop 2200** a thixotropic two component surface filler. Areas requiring filling to correct levels can be repaired using **MasterTop BC 1215** or **MasterTop BC 1235**.
- 1.7. Cracks that may be live should have a band **MasterSeal TC 257**, 50mm wide applied along the length of the crack and filling the crack. Thickness of the coating should be **0.8 mm - 1.0 mm**.
- 1.8. Larger repairs can be carried out using products from the **MasterEmaco / MasterTop 1235** repair range.
- 1.9. NOTE: When it is known prior to starting work on the floor that repairs are required, the repairs should be executed before general preparation is undertaken.
- 1.10. Remove all traces of joint sealant if existing.
- 1.11. Place joint backer rod in joints, with the top of the backer rod with the floor surface. Push nails between the backer rod and the side of the joint, leaving the nails protruding, to act as markers. **MasterSeal Traffic 1332** will be laid over the joint, the joint being cut out later.
- 1.12. When floor preparation is complete, vacuum the area to remove all dust and debris.

- 1.13. Protect areas such as the bottom of walls and columns that may be splashed with wet resin during the application process.
- 1.14. Place 50mm wide masking tape along all free edges.

2. **CONDITIONING / PRIMING:**

2.1. **MasterTop P 650**

(Low Viscosity Two Component Primer for Dense, Low Porous Substrates)

- 2.2. Mix the PTA and PTB of **MasterTop P 650** together until it is free of streaks.
- 2.3. Apply the mixed **MasterTop P 650** to the substrate, using a medium pile roller at the coverage rate of **0.15 kg - 0.30 kg/m²** depending on the absorption of the substrate.
- 2.4. Avoid applying the **MasterTop P 650** over any cracks that have been treated with **MasterSeal TC 257**.
- 2.5. Allow to cure for at least 5 hours at 25°C. Primer must be tack-free.

3. **MEMBRANE APPLICATION: MasterSeal M 866**

- 3.1. Pre-mix the Part A component of the **MasterSeal M 866** to ensure a homogeneous and streak free resin is achieved.
- 3.2. Pour the total contents of Part B into the drum containing the pre-mixed Part A.
- 3.3. Using a slow speed (350 - 600 rpm) heavy-duty handheld mixer (Collomix Xo6) fitted with a suitable mixing paddle (Collomix DLX), mix the two components together until a uniform streak free mix is obtained (minimum mixing time 3 minutes). Always work the mixing paddle around the sides and bottom of the mixing vessel to ensure complete mixing of the components.
- 3.4. Pour the mixed material into a clean container and re-mix for one minute.
- 3.5. Apply the **MasterSeal M 866** onto the prepared substrate by short nap paint roller, rubber squeegee or large paint brush at the coverage rate of **0.5 - 1.0 kg/m²** depending upon project specification etc.
- 3.6. Allow to cure for 12 hours at 25°C.

4. INTERMEDIATE COAT:

- 4.1. Thoroughly pre-mix the **MasterSeal TC 242** Part A using a slow speed (350 - 600 rpm) heavy-duty handheld mixer (Collomix Xo6) fitted with a suitable mixing paddle (Collomix DLX) until a uniform colour is achieved. Add the **MasterSeal TC 242** Part B to the Part A and continue to mix for a further 2 minutes. Transfer the mixed material into a clean mixing bucket and mix for a further 30 seconds. Pour the mixed material into suitable paint trays (several) and then apply one coat of **MasterSeal TC 242** by medium pile roller or soft rubber squeegee at **0.35 kg/m²**.
- 4.2. If a **non-slip finish** is required broadcast immediately with **MasterTop SR 2** or **MasterTop SR 3** sand at a rate of **0.8 - 1.0 kg/ m²** and allow to dry for 4-5 hours before brushing off all loose sand and collecting for re-use.
- 4.3. If a **smooth finish** is required for the system, then allow the applied **MasterSeal TC 242** to cure for 4-6 hours (at 25°C) before application of the final topcoats.

5. TOP COAT:

- 5.1. Thoroughly mix the **MasterSeal TC 257** using a slow speed (350 - 600 rpm) heavy-duty handheld mixer (Collomix Xo6) fitted with a suitable mixing paddle (Collomix DLX). Apply an initial coat of **MasterSeal TC 257** by medium pile roller or squeegee at **0.25 kg/m²** and back roll with a wide (400mm) short nap paint roller. **IF required for aesthetic purposes, apply a second coat at 0.25 kg/m²** after allowing the initial coat to cure for at least 6 hours at 25°C.
- 5.2. Allow to cure for 24 hours totally traffic free before applying any line markings.

6. LINEMARKING OPTIONS:

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 below.

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.

6.1. MasterTop TC 449 - LINE MARKING COATING (SMOOTH)

Line Marking (100mm Wide)

- 6.1.1. Mask off the required designs ensuring the masking tape is well adhered to the surface to prevent bleeding of the resin under the edge of the tape. Use a hard roller if available.
- 6.1.2. Lightly abrade the area for the line marking and vacuum off all the dust and debris.
- 6.1.3. Lightly solvent clean the prepared area using a solvent such as MEK / Xylene / Acetone and allow to dry.

- 6.1.4. Apply the 1st coat of the **MasterTop TC 449** line marking coating at the coverage rate of **0.025 litre/lm.** (100mm Wide) (Approx. 100 microns WFT).
- 6.1.5. Allow approx. 2 hours between coats. (Touch Dry)
- 6.1.6. Apply the 2nd coat of the **MasterTop TC 449** line marking coating at the coverage rate of **0.025 litre/lm** (100mm Wide) (Approx. 100 microns WFT) and allow to dry.
- 6.1.7. Allow a minimum of 24 hours before opening to vehicular traffic.
- 6.1.8. Note: Any masking tape used during the application process should be removed before the resin hardens. This requires re masking of the decals / lines in between coats.

OR

6.2. MasterTop TC 443LM (See separate product method statement for full details).

- 6.2.1. Mask off the required designs ensuring the masking tape is well adhered to the surface to prevent bleeding of the resin under the edge of the tape. Use a hard roller if available.
- 6.2.2. Lightly abrade the area for the line marking and vacuum off all the dust and debris.
- 6.2.3. 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).
- 6.2.4. Mask off the required lines, arrows etc. and apply as per the details on the method statement for the product.

MasterTop TC 443LM – Airless Spray Application

- 6.2.5. If it is required to carry out the application of larger areas the **MasterTop TC 443LM** 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).
- 6.2.6. 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.

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