

THIS METHOD STATEMENT COVERS THE PREPARATION & APPLICATION OF
MasterTop 1205.

METHOD STATEMENT: MasterTop 1205

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 fine shot or surface grinding. Acid etching is not recommended.
- 1.3. If any part of the floor is contaminated by oil, grease or fat, the contamination shall be removed before other forms of preparation are undertaken.
- 1.4. Prepare the concrete substrate using the chosen method, removing all weak or friable laitance and concrete. The finished surface should have the texture of fine to medium grade sandpaper.
- 1.5. Surface defects such as shrinkage cracks, blow holes, minor honeycombing, minor damage to joint arrises etc. shall be filled with **MasterTop 2200** thixotropic two component epoxy surface filler or as per the **Master Builders Solutions Method Statement for Thin Section Epoxy Repairs.**
- 1.6. When the floor preparation is complete, vacuum the area to remove all dust and debris.

2. APPLICATION PROCEDURES:

- 2.1. Before starting application of the coating, ensure that all materials and tools are on hand to allow completion of the work, the floor is dry and dust free.
- 2.2. Ensure that the mixing equipment is adequate, with a backup mixer available in case of a break down.
- 2.3. A slow speed (300-600rpm) heavy-duty electric drill or hand-held mixer fitted with a **Collomix DLX** Mixing head or similar.
- 2.4. Several clean large volume mixing buckets.
- 2.5. Security of the power supply should be verified.
- 2.6. **MasterTop 1205** can be applied by a medium pile roller or suitable paint brush.
- 2.7. Do not start the application if the substrate and air temperatures are less than 12°C. Ideally the temperatures should be in the range of 18-30°C.
- 2.8. Do not apply when the relative humidity is greater than 90%, or if the dew point is reached.
- 2.9. Do not apply in direct sunlight.
- 2.10. Do not expose to chemical spillage or place in direct contact with water for the first 36 hours after application.
- 2.11. During hot weather it is preferable to apply **MasterTop 1205** in the late afternoon or early evening, when the temperature is falling, if the temperature of the building is not controlled.

3. MATERIAL APPLICATION:

- 3.1. **MasterTop 1205** can be applied by a medium pile roller or suitable paint brush.
- 3.2. **MasterTop 1205** must be applied to a dry substrate.

4. SMOOTH FINISH:

- 4.1. **Providing the substrate is mechanically prepared and is good quality dense concrete no prime coat is required.**
- 4.2. Pour the entire contents of the colour pack into the base (PTA) and then mix the components together using a slow speed (300 - 600rpm) handheld mixer fitted with a **Collomix DLX** mixing head or similar.
- 4.3. Mix for no less than 1 minute, before pouring this into a clean large size mixing bucket (20 L) and then adding the **MasterTop 1205** reactor (PTB) whilst continuing to mix until a uniform colour is obtained, free of streaks or lumps of unmixed filler (minimum 2 minutes).
- 4.4. Apply the first coat of **MasterTop 1205** to the suitably prepared substrate at minimum rate of **0.2 L/m²** depending on the surface porosity and absorption. Allow it to become tack-free before over coating. Allow a minimum of 6 hours at 20°C before overcoating with subsequent coats.
- 4.5. Inspect the surface for defects such as blow holes, pin holes etc. and fill as required using **MasterTop 2200**.
- 4.6. Mix the **MasterTop 1205** as above in item 3.2. and apply a **second coat** at a coverage rate of **0.2 L/m²** ensuring the 1st coat is completely and evenly covered. Apply the second coat of **MasterTop 1205** at right angles to the first coat. Further coats can be applied if required.
- 4.7. Allow to cure for 24 hours before allowing access to traffic. Full chemical cure at 7 days (**Refer to TDS**).

5. Option 1: TOPCOAT - MasterTop TC 943 (Pigmented) – Smooth Finish Only.

- 5.1. Before mixing the **MasterTop TC 943**, precondition both the PTA and PTB components to a temperature of 15°C - 25°C.
- 5.2. Mix the PTA and PTB components of the **MasterTop TC 943** with a slow speed drill and small diameter spiral paddle (300 - 350 rpm) for at least 2 minutes and avoid any entraining of air into the mix. Pour into a clean container and mix for a further 1 minute.
- 5.3. Apply the mixed material by squeegee and medium nap / pile roller at the following coverage rates.

| Product | No. of coats | Coverage |
|---|--------------|------------------------------|
| MasterTop TC 943 (Pigmented) (Two Component) | 1 | 0.12 kg/m² |

- 5.4. Allow to fully cure for 7 days for heavy traffic.

NOTE: Please refer to MasterTop TC 943 Method Statement for application methodology.

6. Option 2: TOPCOAT - MasterSeal TC 258 (Pigmented) - Smooth and Slip Resistant Finish

6.1. Thoroughly mix the **MasterSeal TC 258** using a slow speed (300 - 400 rpm) drill with a small diameter spiral mixing paddle. Apply one coat of **MasterSeal TC 258** by medium pile roller or squeegee as per the following coverage rates:

| Product | No. of coats | Coverage |
|---|--------------|------------------------------|
| MasterSeal TC 258 (Pigmented) (Single Component) | 1 | 0.25 kg/m² |

6.2. Allow to cure 24 hours before applying line marking.

6.3. Allow to fully cure for 7 days for heavy traffic.

7. Option 3: TOPCOAT - MasterSeal TC 257 (Pigmented) - Smooth and Slip Resistant Finish

7.1. Thoroughly mix the **MasterSeal TC 257** using a slow speed (300 - 400 rpm) drill with a small diameter spiral mixing paddle. Apply one coat of **MasterSeal TC 257** by medium pile roller or squeegee as per the following coverage rates:

| Product | No. of coats | Coverage |
|--|--------------|------------------------------|
| MasterSeal TC 257 (Pigmented) (Two Component) | 1 | 0.25 kg/m² |

7.2. Allow to cure 24 hours before applying line marking.

7.3. Allow to fully cure for 7 days for heavy traffic.

8. SLIP RESISTANT FINISH:

8.1. For the base coat, mix as above item 3.2, and apply **MasterTop 1205** at a minimum **0.25 L/m²**.

8.2. While the **MasterTop 1205** is still wet, broadcast the **MasterTop SR 1, MasterTop SR 2 or MasterTop SR 3** aggregates into the wet coating at a coverage rate of **0.6 kg – 1 kg/m²**. Spiked shoes will be required for the application. Allow to cure for 12 - 24 hours depending on temperature.

8.3. Remove excess aggregate by vacuum or sweeping with a stiff brush. Recovered aggregate may be reused, if clean and dry.

8.4. Mix as above item in 3.2 and apply **MasterTop 1205** as in section 3 at a minimum rate of **0.25 L/m²**.

8.5. Allow to cure for at least 24 hours before allowing access to traffic. Full chemical cure at 7 days (**Refer to TDS**).

Note: Any masking tape used during the application process should be removed before the resin hardens.

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